Issued: Jun 27, 2008

Arrow® FWD
Powered Wheelchair

INVACARE

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Parts Catalog Usage Guide

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SYMBOL DEFINITION

Throughout this catalog you will notice letters to draw your attention to specific footnotes which are located at the bottom of the page or below specified charts.

Examples:

A,B,C etc.	=	Special Comments
NOTE:	=	General information pertaining to that specific page
NLA	=	No Longer Available

HARDWARE MEASUREMENTS

The measurements for the hardware will be listed as follows:

Screws, Bolts	Diameter X Thread Count/Pitch X Length
Washers	Inside Diameter X Outside Diameter X Thickness
Spacers	Inside Diameter X Outside Diameter X Length

For your convenience, we have supplied an area for you to list your Invacare Representatives.

Name	Phone Numbers

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Frame Finishes, Touch-Up Paints and Upholstery Options

Frame Finishes and Touch-Up Paint

Color Number	Part Number	Bottle Size	Color
22P	1033376	.6 oz.	Anthracite
08P	1031456	.6 oz.	Deep Purple
61P	1046321	.6 oz.	Electric Red
62P	1046320	.6 oz.	Electric Blue
24P	1031450	.6 oz.	Wet Black
29P	1031447	.6 oz.	White
30P	1031448	.6 oz.	Sunny Yellow
34P	1046327	.6 oz.	Flat Black
69P	1101320-NLA	.6 oz.	Teflon Black
81P	1073893	.6 oz.	Dark Olive w/ Copper
83P	1073895	.6 oz.	Royal Blue w/ Grape
101P	1101325	.6 oz.	Jewel Green
103P	1101324	.6 oz.	Mocha Frost
104P	1101316	.6 oz.	Electric Teal
105P	1101326	.6 oz.	Midnight Blue

Frame Finishes, Touch-Up Paints and Upholstery Options

Sparkle Frame Finishes

Color Number	Color
72P	Twilight Sparkle
73P	Gold Sparkle
88P	Black w/ Twilight Sparkle

Upholstery Options - Vinyl

Color Number	Color
U67	Black
U75	Dove Grey
U85	Dark Blue
U86	Ruby
U97	Sky Blue
U88	Camel

Upholstery Options - Nylon

Color Number	Color
U240	Black

Shroud and Frame Color Package Reference Chart

Before 2/18/2000

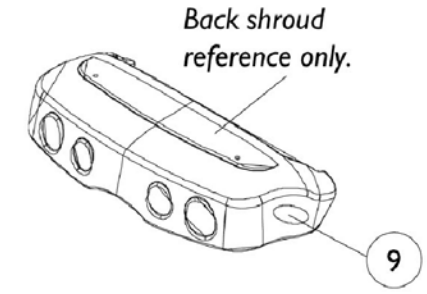
Model Code	Shroud Color	Frame Color	Description
RBLK	Candy Apple Red	Wet Black	Red w/ Black Accent
RATH	Candy Apple Red	Anthracite	Red w/ Antharcite Accent
RBGD	Candy Apple Red	Black w/ Gold Sparkle	Red w/ Black/Gold Sparkle
GOLV	Blue Green Chameleon	Dark Olive w/ Copper	Green w/ Dark Olive/Copper
GBTW	Blue Green Chameleon	Black w/ Twilight Sparkle	Green w/ Black/Twilight Sparkle
GBLK	Blue Green Chameleon	Wet Black	Green w/ Black Accent
GBLG	Blue Green Chameleon	Royal Blue w/ Grape	Green w/ Royal Blue/Grape
BYLW	Bright Blue Metallic	Sunny Yellow	Blue w/ Yellow Accent
BBLK	Bright Blue Metallic	Wet Black	Blue w/ Black Accent
BWHT	Bright Blue Metallic	White	Blue w/ White Accent

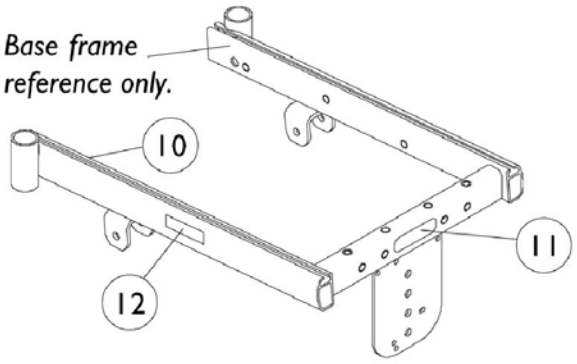
Shroud and Frame Color Package Reference Chart

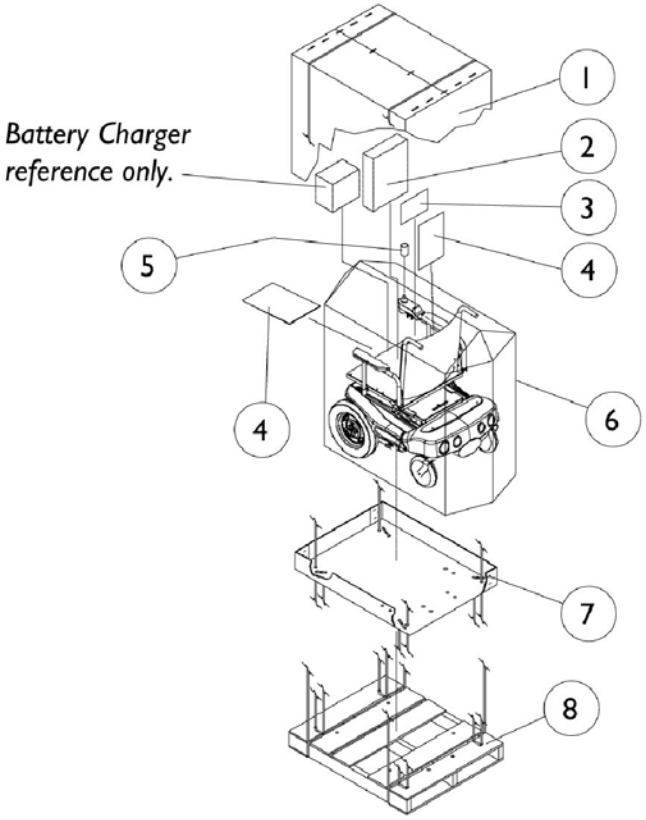
After 2/17/2000

Model Code	Shroud Color	Frame Color	Description
RBLK	Candy Apple Red	Wet Black	Red w/ Black Accent
RATH	Candy Apple Red	Anthracite	Red w/ Anthracite Accent
RBTW	Candy Apple Red	Black w/ Twilight Sparkle	Red w/ Black/Twilight Sparkle
GMOC	Emerald Green	Mocha Frost	Emerald Green w/ Mocha Frost
GBTW	Emerald Green	Black w/ Twilight Sparkle	Emerald Green w/ Black/Twilight Sparkle
GBLK	Emerald Green	Wet Black	Emerald Green w/ Black Accent
BYLW	Ocean Blue	Sunny Yellow	Ocean Blue w/ Yellow Accent
BBLK	Ocean Blue	Wet Black	Ocean Blue w/ Black Accent
BWHT	Ocean Blue	White	Ocean Blue w/ White Accent
BKMO	Liquid Black	Mocha Frost	Black w/ Mocha Frost Accent
BKGR	Liquid Black	Jewel Green	Black w/ Jewel Green Accent
BKTL	Liquid Black	Electric Teal	Black w/ Teal Accent
BKMB	Liquid Black	Midnight Blue	Black w/ Midnight Blue Accent
BKRD	Liquid Black	Electric Red	Black w/ Electric Red Accent

Packaging, Literature and Decals







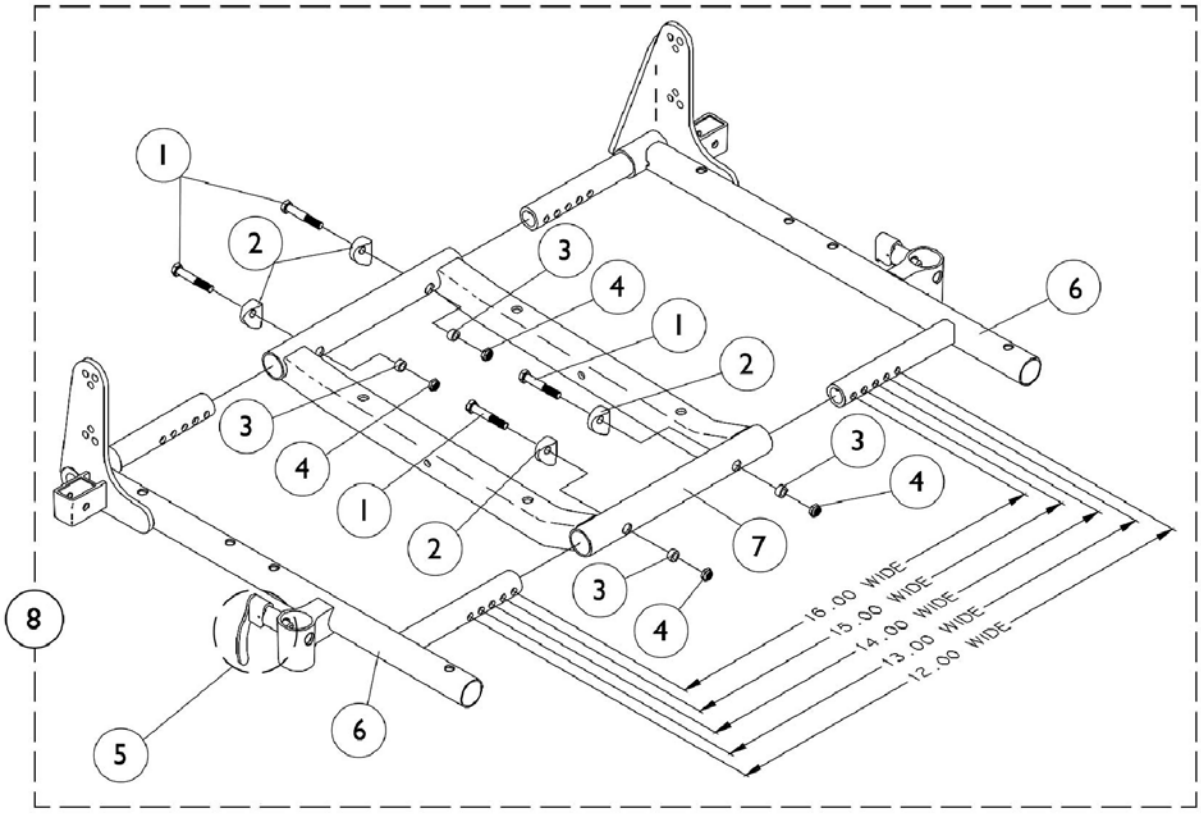
Packaging, Literature and Decals

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	E	1030364	Carton, Cover	1	1
1	F	1031682	Carton, Cover	1	1
1	G	1036028	Carton, Cover	1	1
1	H	1030365	Carton, Cover	1	1
2		40131X011	Carton, Front Riggings	1	1
3		1081227-NLA	Owner's Manual - Storm Series	1	1
4		40131X161	Insert, Plain Pad	1	2
5	A	1043198-NLA	Tube, Paper	1	1
6		1015592	Bag, Poly (72" L x 35" W x 19" D)	1	1
7		1030362	Carton, Tray	1	1
8	I	See Note	See Footnote	--	--
9		1095489	Decal, Invacare 3-D Logo (2-1/2" L)	1	2
10		1119281	Name Plate, Patent Numbers	1	1
11		1035900	Decal, Transportation	1	1
12	B	1095228	Decal, Model, Arrow (Black)	1	2
12		1095229	Decal, Model, Arrow (White)	1	2
	C,D	1094013-NLA	Decal Package, Arrow (Black)	1	1
	C,D	1095494	Decal Package, Arrow (White)	1	1
	D	1012001	Carton, Joystick	1	1
	A,D	1079515	Kit, T-Nut with Instruction Sheet	1	1
	D	50000X121	Strap, Battery Lift	1	1
	D	00077X031	Warranty Card	1	1

NOTE: A - Used with Storm Base Only.
B - Used for chairs with 29P and 30P frame color.
C - Decal package includes model, transportation and patent numbers.
D - Not Shown
E - 12"W - 20"W Non-Recliner, Extended, & H.B. Captain Seats 18"W
F - 16"W - 20"W Recliner & 16"W - 20"W Non-Recliner w/ Medium/Tall Seat-to-Floor
G - 21"W - 24"W Non-Recliner & Recliner, H.B. Captain Seat 22"W
H - Base only and all A.S.B.A. seat only models.
I - Wooden skid not supplied

NOTE: When adjusting or replacing parts, please refer to your Owner's Manual for assistance.

Seat Frame Assembly
Junior 12"-16" Wide

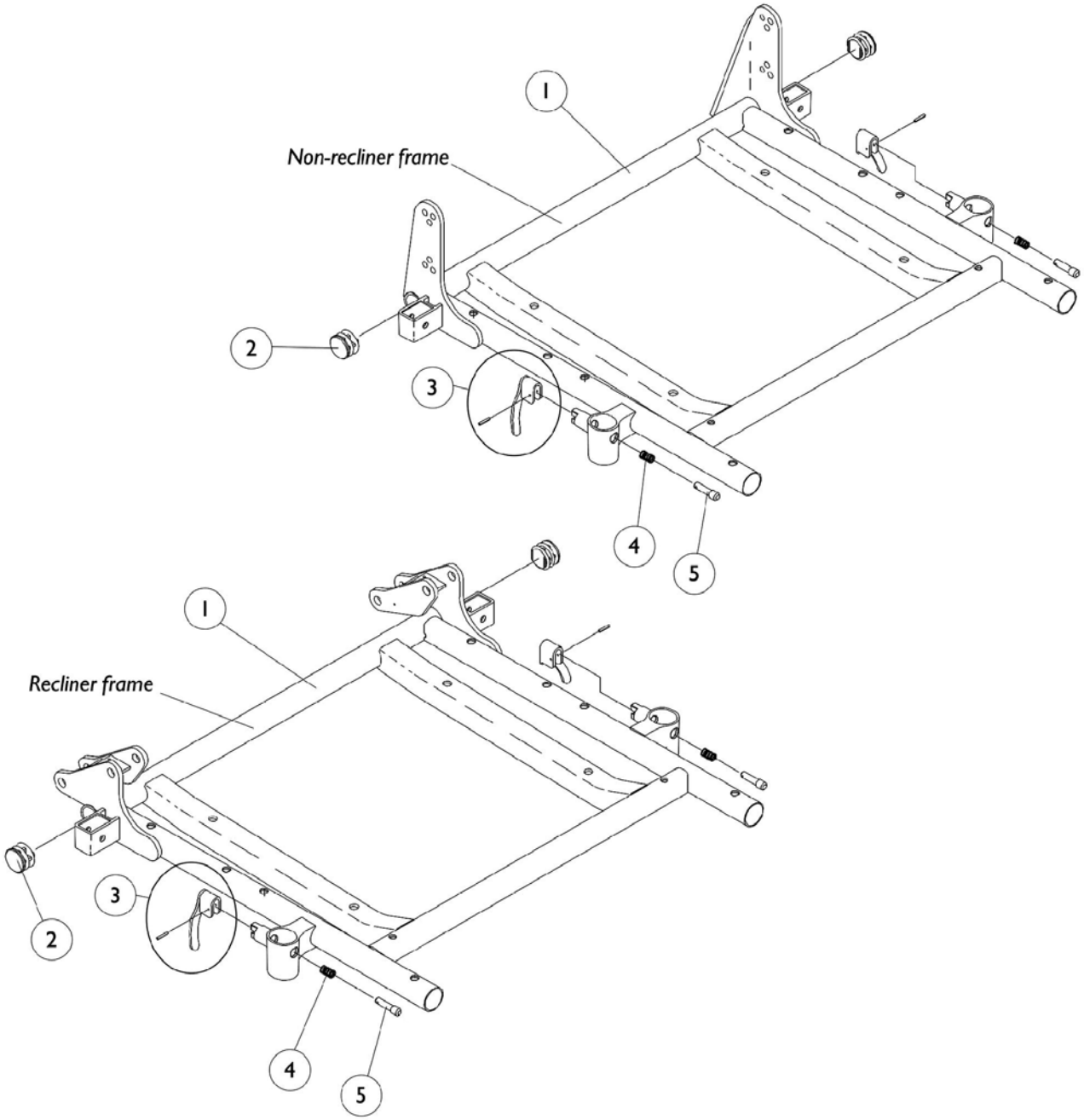


Seat Frame Assembly
Junior 12"-16" Wide

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1037610	Screw, Hex Head (1/4-20 x 1-5/8")	1	4
2		1026099	Spacer, Coved (1/4 x 11/16 x 1/2")	1	4
3		1047449	Spacer (1/4 x 3/8 x 3/16")	1	4
4		1025736	Locknut (1/4-20)	1	4
5		47471X074	Spring, Arm Lock	1	1
5		1028594	Pin, Arm Lock	1	1
5		1090768	Kit, Lock Handle w/Rivets (both LT & RT side)	2	1
6	A,B	1070473	Frame Seat, Adult/ Junior, Right	1	1
6	A,B	1070474	Frame Seat, Adult/ Junior, Left	1	1
7	A	1070476	Frame Seat, Adult/ Junior, Center	1	1
8	C	1070469	Frame Assembly Seat, Adult/ Junior	1	1

NOTE: A - Junior 12-16" Wide and 12-16" Deep
B - Includes seat frame and item 5 arm lock assembly
C - Includes items 1-7

Seat Frame and Hardware
(Adult 16-24" Wide)



Seat Frame and Hardware
(Adult 16-24" Wide)

#1 - Seat Frame with Hardware

Non-Recliner

Seat Width	16-17" Depth	18-19" Depth	20-21" Depth	22" Depth
16" Width	1070672	1070681	1070690	1070699
17" Width	1070673	1070682	1070691	1070700
18" Width	1070674	1070683	1070692	1070701
19" Width	1070675	1070684	1070693	1070702
20" Width	1070676	1070685	1070694	1070703
21" Width	1070677	1070686	1070695	1070704
22" Width	1070678	1070687	1070696	1070705
23" Width	1070679	1070688	1070697	1070706
24" Width	1070680	1070689	1070698	1070707

#1 - Seat Frame with Hardware

Recliner

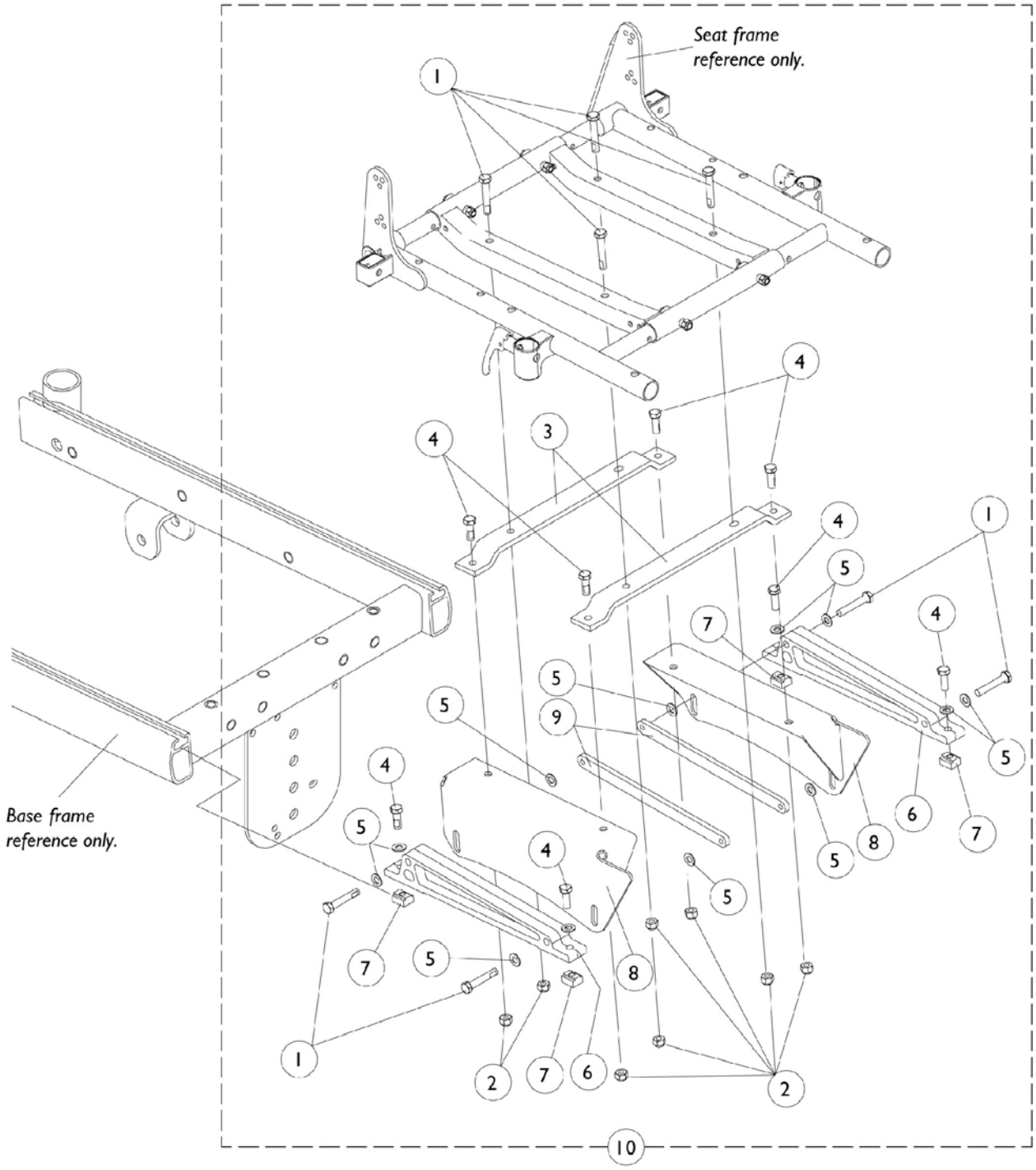
Seat Width	16-17" Depth	18-19" Depth	20-21" Depth	22" Depth
16" Width	1070708	1070717	1070726	1070735
17" Width	1070709	1070718	1070727	1070736
18" Width	1070710	1070719	1070728	1070737
19" Width	1070711	1070720	1070729	1070738
20" Width	1070712	1070721	1070730	1070739
21" Width	1070713	1070722	1070731	1070740
22" Width	1070714	1070723	1070732	1070741
23" Width	1070715	1070724	1070733	1070742
24" Width	1070716	1070725	1070734	1070743

Seat Frame and Hardware
(Adult 16-24" Wide)

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	A	See Chart	#1 Seat Frame Non-Recliner	1	1
1	A	See Chart	#1 Seat Frame Recliner	1	1
2		1029501	Plug Button, Black (1")	1	2
3		1090768	Kit, Lock Handle w/Rivets (both LT & RT side)	2	1
4		47471X074	Spring, Arm Lock	1	2
5		1028594	Pin, Arm Lock	1	2

NOTE: A - Includes seat frame and items 2-5

Seat Frame Attaching Hardware
Junior 12"- 16" Wide

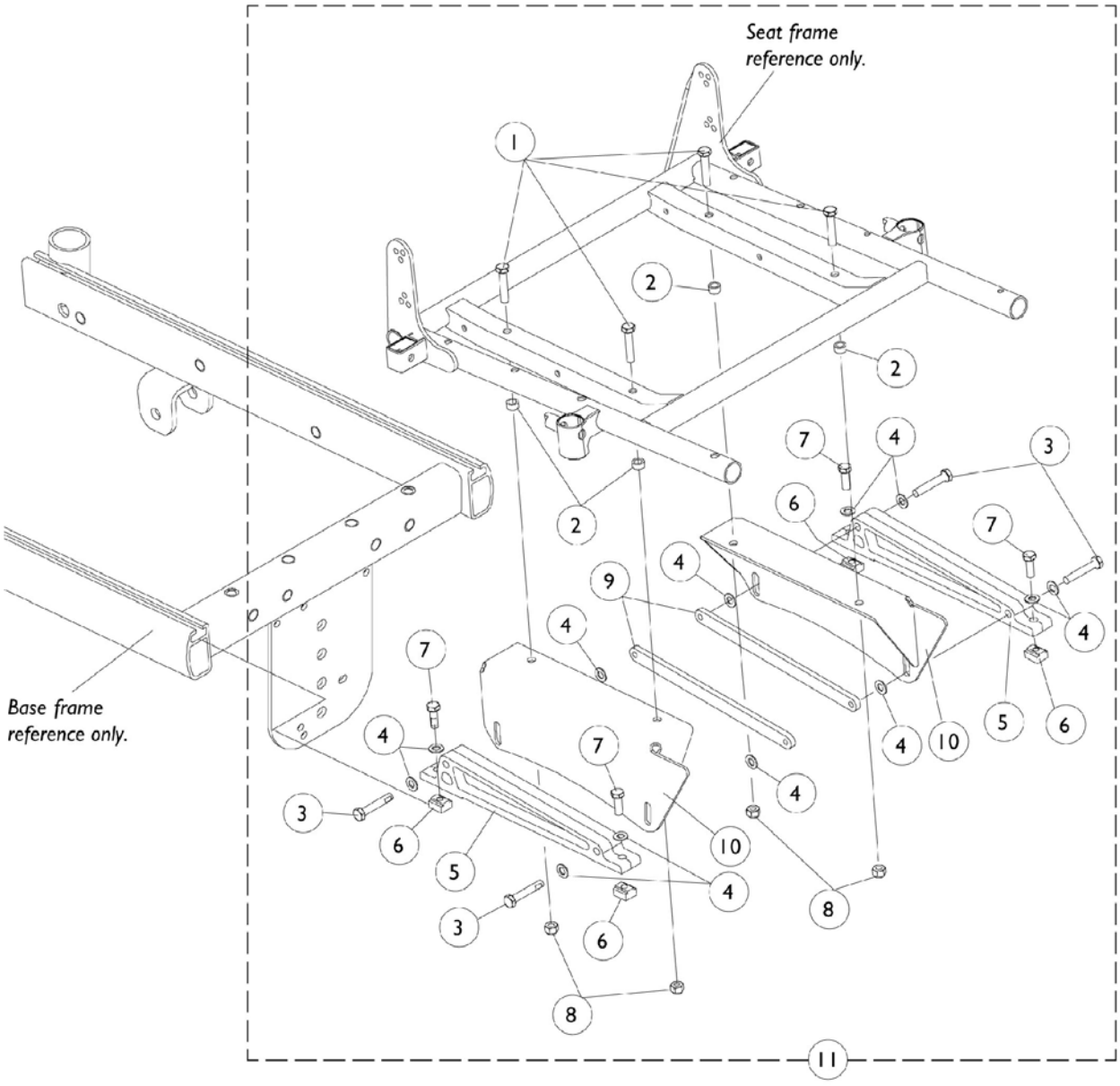


Seat Frame Attaching Hardware
Junior 12"- 16" Wide

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1043627	Screw, Hex Head Cap with Patch (5/16-18 x 1-3/4")	1	8
2		1026158	Locknut (5/16-18)	1	8
3		1070465	Bracket, Mounting, Black - Junior	1	2
4		1070462	Screw, Hex Head Cap w/ Patch (5/16-18 x 7/8")	1	8
5		1025704	Washer, Flat (5/16 x 5/8 x 1/16")	1	12
6		1070388	Support, Seat (Black)	1	2
7		1069724	T-Nut (5/16-18)	1	5
8	B	1070343	Plate, Seat Mounting Low, Right	1	2
8	B	1070344	Plate, Seat Mounting Low, Left	1	2
8	C	1070345	Plate, Seat Mounting Medium, Right	1	2
8	C	1070346	Plate, Seat Mounting Medium, Left	1	2
8	D	1070347-NLA	Plate, Seat Mounting Tall, Right	1	2
8	D	1070348	Plate, Seat Mounting Tall, Left	1	2
9		1070396	Strap, Bolt (Black)	1	2
10	A	1093313	Seat, Frame Attaching Hardware (Junior, 12-16" Wide)	1	1

NOTE: A - Item number 8 not included in seat frame attaching hardware.
B - 18-1/4" Seat to Floor
C - 20-1/2" Seat to Floor
D - 21-3/4" Seat to Floor

Seat Frame Attaching Hardware
Adult 16"- 24" Wide

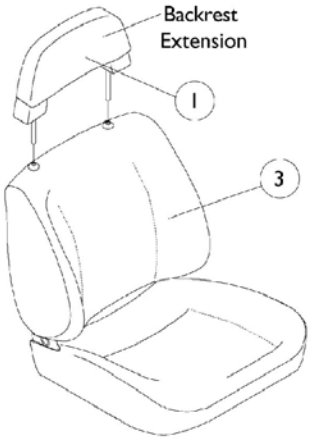


Seat Frame Attaching Hardware
Adult 16"- 24" Wide

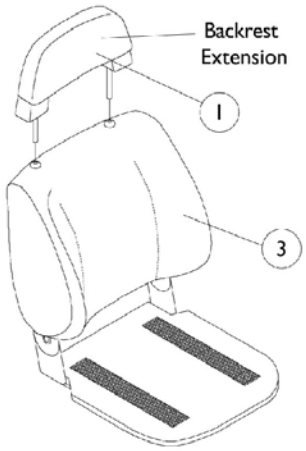
Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	A	1043627	Screw, Hex Head Cap with Patch (5/16-18 x 1-3/4")	1	4
1	B	1070398	Screw, Hex Head (5/16-18 x 1-1/2")	1	4
2	A	1070413	Spacer (21/64 x 1/2 x 17/64")	1	4
3		1043627	Screw, Hex Head Cap with Patch (5/16-18 x 1-3/4")	1	4
4		1025704	Washer, Flat (5/16 x 5/8 x 1/16")	1	12
5		1070388	Support, Seat (Black)	1	2
6		1069724	T-Nut (5/16-18)	1	5
7		1070462	Screw, Hex Head Cap w/ Patch (5/16-18 x 7/8")	1	4
8		1026158	Locknut (5/16-18)	1	4
9		1070396	Strap, Bolt (Black)	1	2
10	D	1070343	Plate, Seat Mounting Low, Right	1	2
10	D	1070344	Plate, Seat Mounting Low, Left	1	2
10	E	1070345	Plate, Seat Mounting Medium, Right	1	2
10	E	1070346	Plate, Seat Mounting Medium, Left	1	2
10	F	1070347-NLA	Plate, Seat Mounting Tall, Right	1	2
10	F	1070348	Plate, Seat Mounting Tall, Left	1	2
11	C	1093314	Hardware, Attaching, Seat Frame, 16" Wide	1	1
11	C	1093311	Hardware, Attaching, Seat Frame, 17" and Wider	1	1

NOTE: A - Part # 1043627 and 1070413 are used on the 16" wide chairs only.
B - Part # 1070398 is used on 17" and wider chairs only.
C - Item number 10 not included in seat frame attaching hardware.
D - 18-1/4" Seat to Floor
E - 20-1/2" Seat to Floor
F - 21-3/4" Seat to Floor

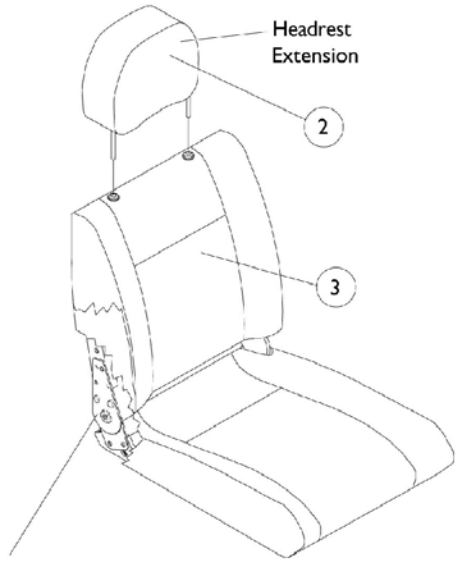
Captain Seat Assembly
Before 11/1/01



Extended Back 18" Wide

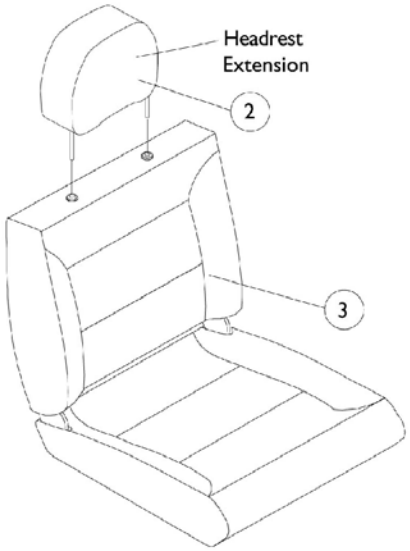


Extended Back, Forward Folding 18" Wide w/ Solid Seat Base



NOTE: *High back 18" wide captain seat includes the actuator hardware. See seat frame and actuator hardware page.*

High Back 18" Wide w/ Full Recline



High Back 22" Wide w/ Semi Recline

Captain Seat Assembly
Before 11/1/01

Item Number	Backrest / Headrest Extensions & Captain Seat Assemblies	Grey Fabric / Vinyl	All Grey Vinyl	Brunswick Buff All Tan Vinyl
1	Backrest, Extended Back (E.B.)	1090374-NLA See Note(s) A	1090375-NLA See Note(s) A	1090376-NLA See Note(s) A
1	Backrest, (E.B.) Forward Folding (Before 5/12/00)	1078997-NLA See Note(s) B	N/A	N/A
1	Backrest, (E.B.) Forward Folding (After 5/11/00)	1090374-NLA See Note(s) A	N/A	N/A
2	Headrest, High Back (For 18" & 22" Wide)	1090379-NLA See Note(s) A	1090380-NLA See Note(s) A	N/A
3	18" W (E.B.) Extended Back	1090371-NLA	1090372-NLA	1090373-NLA
3	18" W (E.B.) Forward Folding Before (5/12/00)	1085104-NLA	N/A	N/A
3	18" W (E.B.) Forward Folding (After 5/11/00)	1090370-NLA	N/A	N/A
3	18" W High Back with Full Recline	1091068-NLA See Note(s) C	1091069-NLA	N/A
3	22" W High Back with Semi Recline	1098287-NLA	N/A	N/A

NOTE: A - 4-3/4" Backrest / Headrest Post Spacing
B - 9" Backrest Post Spacing
C - High back 18"wide captain seats include actuator attaching hardware.

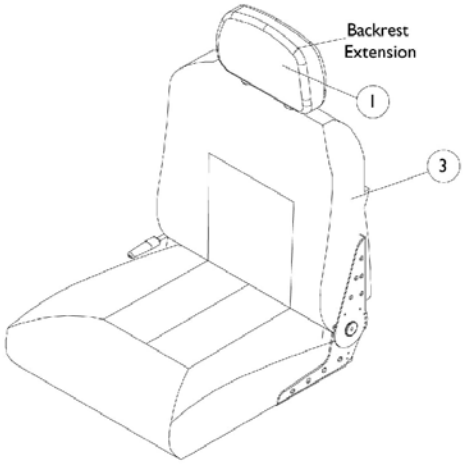
NOTE: When converting from an extended back captain seat to a 18" wide captain seat, a sensor cable part number (1092913) must be ordered.

NOTE: For captain seats marked NLA, use captain seats dated after 10/31/01 as replacements.

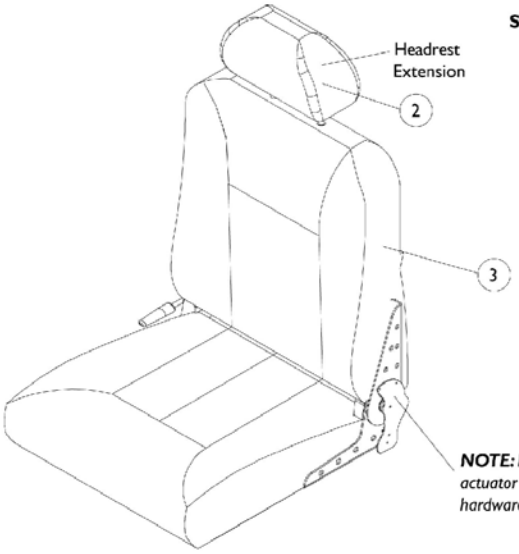
Captain Seat Assembly

After 10/31/01

Note: Captain Seats recline approximately 90 degrees to 114 degrees for semi recline backs and 90 degrees to 170 degrees for full recline back models. Adjustable depths are; 16, 17, and 18" deep for 18" wide seats and 18, 19, and 20" deep for 20 and 22" wide seats. Recline release levers are standard on the right side. Left side release levers can be ordered as a special with a new captain seat.



Semi Recline Captain Seat



NOTE: *Full recline captain seats* ***do not include*** *the actuator hardware. See seat frame and actuator hardware page.*

Full Recline Captain Seat

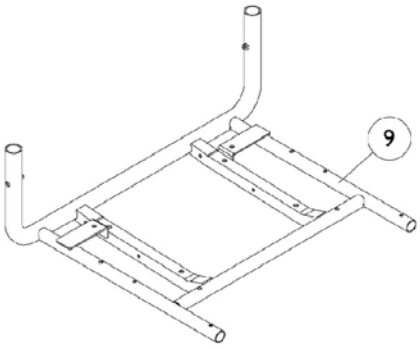
Captain Seat Assembly
After 10/31/01

Note: Captain Seats recline approximately 90 degrees to 114 degrees for semi recline backs and 90 degrees to 170 degrees for full recline back models. Adjustable depths are; 16, 17, and 18" deep for 18" wide seats and 18, 19, and 20" deep for 20 and 22" wide seats. Recline release levers are standard on the right side. Left side release levers can be ordered as a special with a new captain seat.

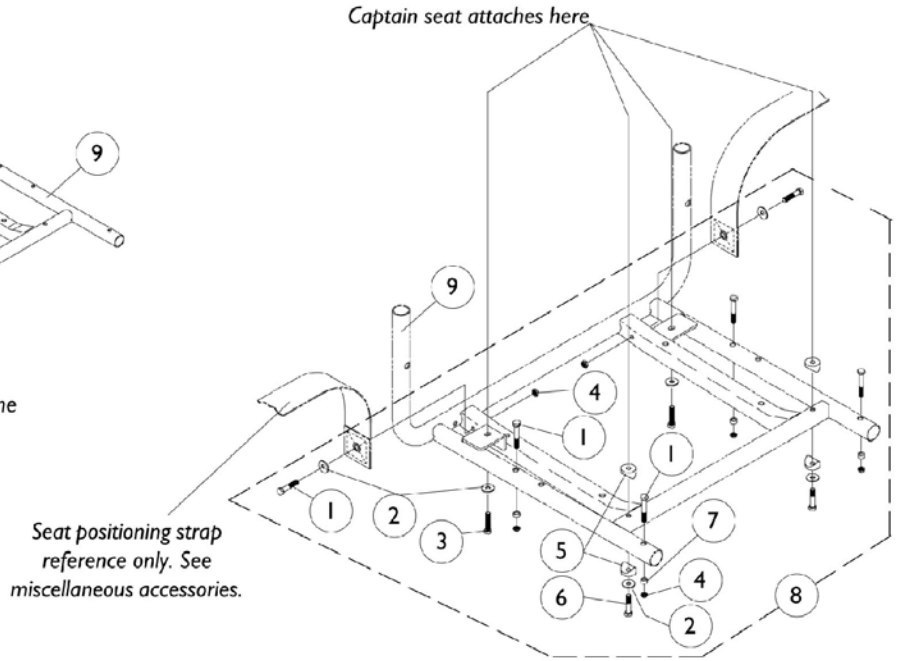
Item Number	Backrest / Headrest Extension and Captain Seat Assemblies	All Grey Fabric	All Grey Vinyl	All Tan Vinyl
1	Backrest (For Semi-Recline)	1106969	1108408	1106968
2	Headrest (For Full-Recline)	1106967	1108409	1106966
3	18" Wide Semi Recline with Backrest	1109254	1109242	1109248
3	18" Wide Full Recline with Headrest	1109257	1109245	1109251
3	20" Wide Semi Recline with Backrest	1109255	1109243	1109249
3	20" Wide Full Recline with Headrest	1109258	1109246	1109252
3	22" Wide Semi Recline with Backrest	1109256	1109244	1109250
3	22" Wide Full Recline with Headrest	1109259	1109247	1109253

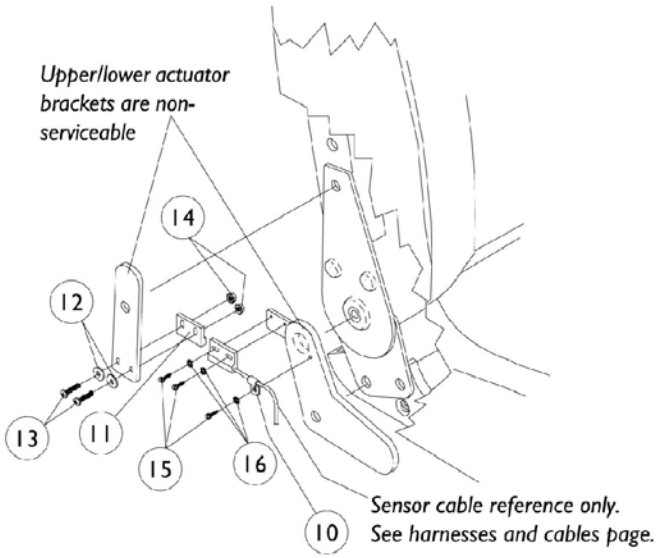
Note: When converting from a semi recline to a full recline captain seat, a sensor cable must be ordered - part #1092913.
Note: Actuator mounting hardware is not included with a full recline captain seat. Refer to Actuator Mounting Hardware.
Note: New seat mounting hardware, part #1079208, is required when converting a captain seat made before 11/01/2001 to a captain seat made after 10/31/2001.

Captain Seat Frame and Actuator Hardware
Before 11/1/01



22" Wide Seat Frame





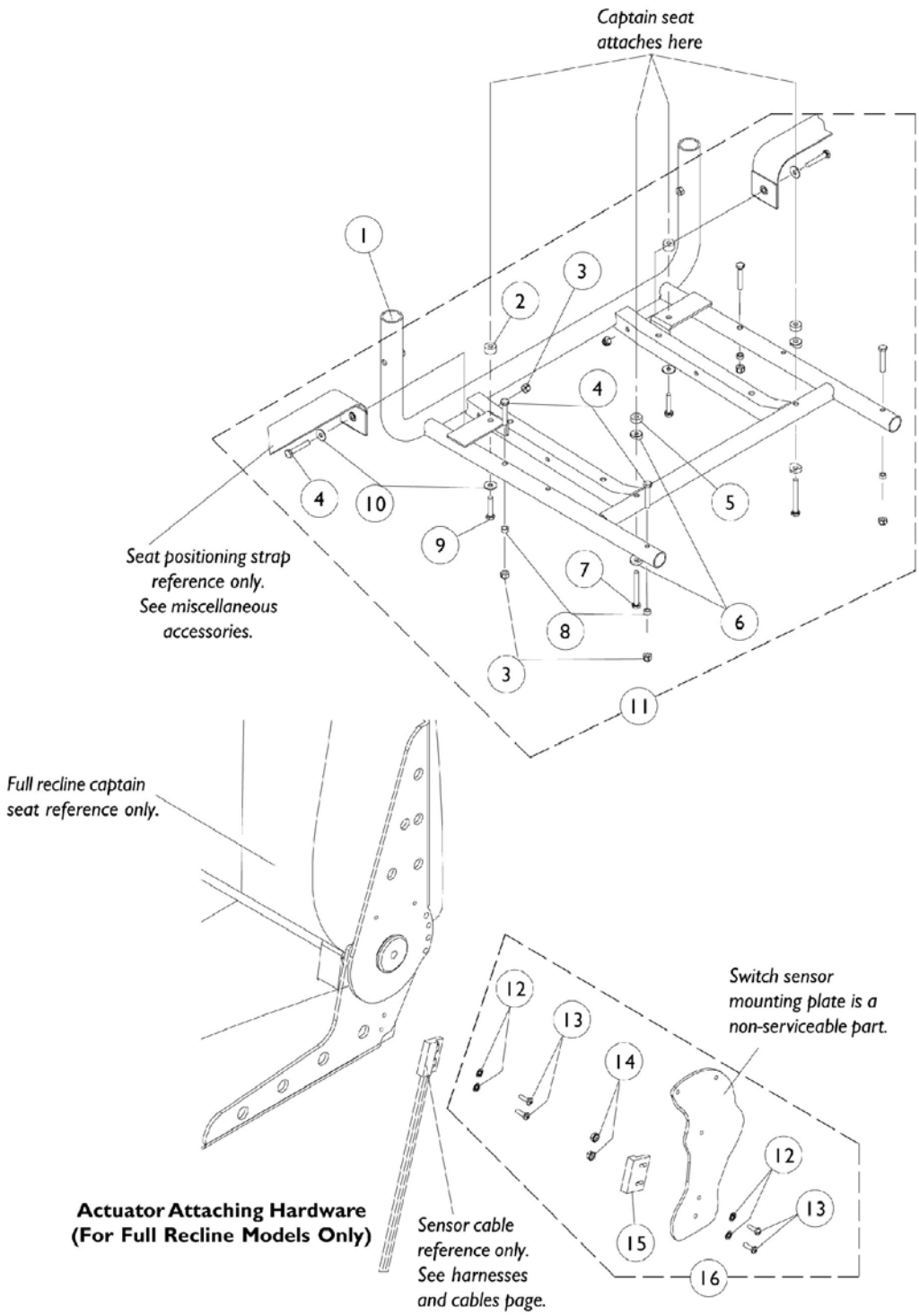
Actuator Attaching Hardware
(High Back 18" Wide Models Only)

Captain Seat Frame and Actuator Hardware
Before 11/1/01

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1030949	Screw, Hex Head (1/4-20 x 1-1/2")	1	6
2		1026900	Washer (1/4 x 23/32 x 1/16")	1	6
3	A	1071603	Screw, Hex Head (M6 x 1" x 20MM)	1	4
3	B	1045267	Screw, Hex Head (1/4-20 x 3/4")	1	4
4		7930333	Locknut (1/4-20)	25	6
5		1026099	Spacer, Coved (1/4 x 11/16 x 1/2")	1	4
6	A	1070434	Screw, Hex Head (M6 x 1 x 50)	1	2
6	B	1088898	Screw, Hex Head Cap w/ Patch (1/4-20 x 1-3/4")	1	2
7		1047449	Spacer (1/4 x 3/8 x 3/16")	1	4
8	A,C	1070450	Hardware, Seat Attaching	1	1
8	B,C	1079208	Hardware, Captain Seat Mounting	1	1
9	D	1070455	Frame, Seat-18" Wide	1	1
9	E	1101913	Frame, Seat-22" Wide	1	1
10		1098624-NLA	Clamp, Cable	1	1
11		1024001	Sensor, Actuator Switch	1	1
12		16348X007	Rivet Washer (1/8 x 3/8 x 1/16")	1	2
13		1074128	Screw, Phillips Pan Head (#4-40 x 7/16")	1	2
14		P0870X000	Nut, Hex Keps (#4-40)	1	2
15		1025116	Screw, Slotted Hex Head (#4-3/8")	1	3
16		1008525	Washer, Internal Tooth Lock (#4-40)	1	3

NOTE: A - All High Backs 18" Wide.
B - Extended Backs, Forward Folding Seat and High Backs 22" Wide.
C - Seat Attaching Hardware (Consists of Items 1-7).
D - Extended Backs, Forward Folding Seat and High Backs 18" Wide.
E - All High Backs 22" Wide.

Captain Seat Frame and Actuator Hardware
After 10/31/01



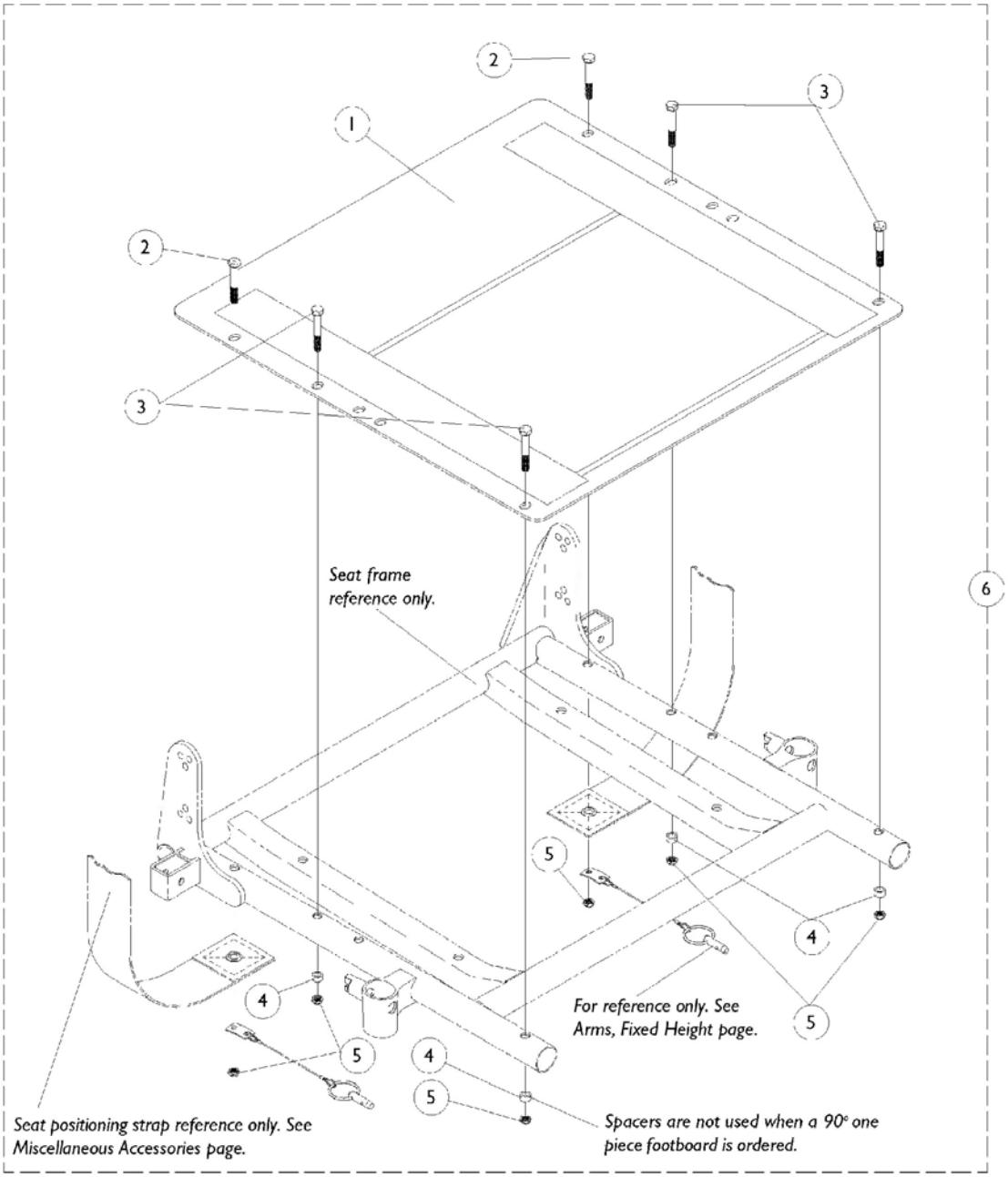
Actuator Attaching Hardware (For Full Recline Models Only)

Captain Seat Frame and Actuator Hardware
After 10/31/01

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1070455	Frame, Seat-18" Wide	1	1
1		1108099	Frame, Seat-20" Wide	1	1
1		1101913	Frame, Seat-22" Wide	1	1
2		1108411	Spacer (1/4 x 5/8 x 3/8")	1	2
3		7930333	Locknut (1/4-20)	25	6
4		1030949	Screw, Hex Head (1/4-20 x 1-1/2")	1	6
5		1108410	Spacer (1/4 x 5/8 x 1/4")	1	2
6		1026099	Spacer, Coved (1/4 x 11/16 x 1/2")	1	4
7		1026154	Screw, Hex Head (1/4-20 x 2-1/4")	1	2
8		1047449	Spacer (1/4 x 3/8 x 3/16")	1	4
9		1021406	Screw, Hex Head (1/4-20 x 1-1/4")	1	2
10		1026900	Washer (1/4 x 23/32 x 1/16")	1	4
11	A	1079208	Hardware, Captain Seat Mounting	1	1
12		1008525	Washer, Internal Tooth Lock (#4-40)	1	4
13		7930339	Screw, Phillips Pan Head (#4-40 x 3/8")	25	4
14		P0870X000	Nut, Hex Keps (#4-40)	1	2
15		1024001	Sensor, Actuator Switch	1	1
16	B	1107242	Hardware, Actuator Switch Sensor Mounting	1	1

NOTE: A - Includes items 2-10
B - Includes items 12-15

Seat Pan and Mounting Hardware



Seat Pan and Mounting Hardware

#1 Junior Seat Pan

Width	12" - 15" Depth	16" Depth
12" W	1066009	1070513
13" W	1066010	1070514
14" W	1066022	1066011
15" W	1066023	1066012
16" W	1066024	1066013

1 Adult Seat Pan

Width	16" Depth	17" Depth	18" Depth	19" Depth	20" Depth	21" Depth	22" Depth
16" W	1066013	1066024	1066035	1066046	1066057	1066068	1066079
17" W	1066014	1066025	1066036	1066047	1066058	1066069	1066080
18" W	1066015	1066026	1066037	1066048	1066059	1066070	1066081
19" W	1066016	1066027	1066038	1066049	1066060	1066071	1066082
20" W	1066017	1066028	1066039	1066050	1066061	1066072	1066083
21" W	1066018	1066029	1066040	1066051	1066062	1066073	1066084
22" W	1066019	1066030	1066041	1066052	1066063	1066074	1066085
23" W	1066020	1066031	1066042	1066053	1066064	1066075	1066086
24" W	1066021	1066032	1066043	1066054	1066065	1066076	1066087

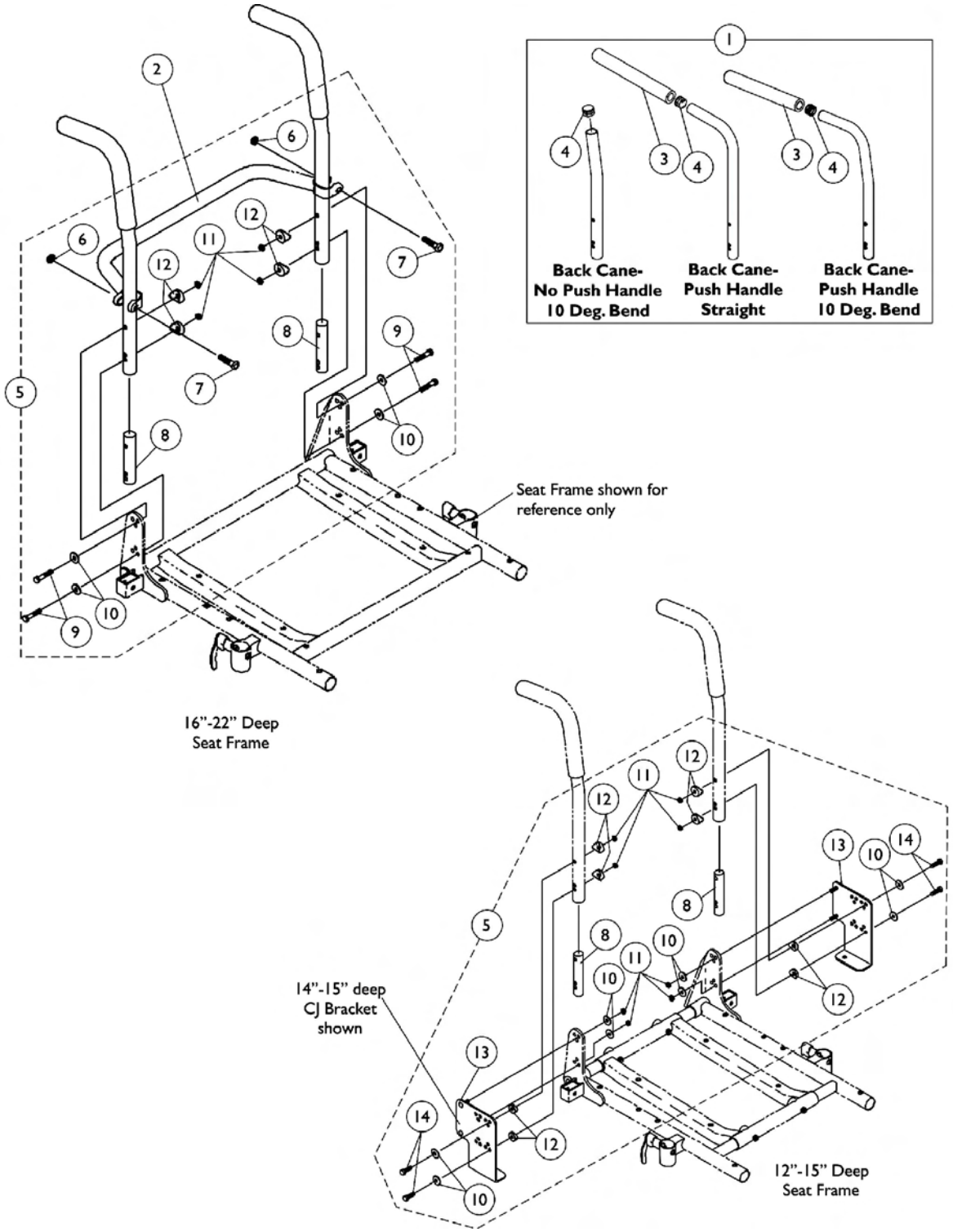
Seat Pan and Mounting Hardware

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		See Chart	# 1 Adult Seat Pan	1	1
1		See Chart	#1 Junior Seat Pan	1	1
6	A	1070459	Kit, Seat Pan Mounting Hardware	1	1
2			Screw, Hex Head (1/4-20 x 1-5/8")	1	2
3			Screw, Hex Head (1/4-20 x 1-1/2")	1	4
4			Spacer (1/4 x 3/8 x 3/16")	1	4
5			Locknut (1/4-20)	1	6
6	B,C	1094381	Kit, Seat Pan Mounting Hardware	1	1
2			Screw, Hex Head (1/4-20 x 1-5/8")	1	2
3			Screw, Hex Head (1/4-20 x 1-3/8")	1	4
5			Locknut (1/4-20)	1	6

NOTE: A - Includes Items 2-5.
B - Includes Items 2,3,5.
C - Used for 90° one piece footboard only.

Back Canes, Spreader Bars and Attaching Hardware

NOTE: Chairs manufactured with a seat width, seat depth or back height of 20" and greater including all heavy duty packages will be equipped with a spreader bar standard.



Back Canes, Spreader Bars and Attaching Hardware

NOTE: Chairs manufactured with a seat width, seat depth or back height of 20" and greater including all heavy duty packages will be equipped with a spreader bar standard.

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		See Chart	#1 Back Cane Assemblies	1	2
2		See Chart	#2 Spreader Bar	1	1
3		1135506	Package, Foam Hand Grips (9" Long)	10	1
4		1130582	Package, Plug Buttons, Black (7/8")	10	1
5	A,E	1070499	Kit, Back Cane Attaching Hardware, For CJ Bracket 12-13" Deep Seat	2	1
8			Insert, Non-Threaded Back Cane (For Back Heights 20" and Lower)	1	2
10			Washer (1/4 x 23/32 x 1/16")	1	8
11			Locknut (1/4-20)	1	8
12			Spacer, Coved (1/4 x 11/16 x 1/2")	1	8
13			Bracket, Back Mounting, Black - Right	1	1
13			Bracket, Back Mounting, Black - Left	1	1
14			Screw, Hex Head (1/4-20 x 1-5/8")	1	4
5	A,E	1070500	Kit, Back Cane Attaching Hardware, For CJ Bracket 14-15" Deep Seat	2	1
8			Insert, Non-Threaded Back Cane (For Back Heights 20" and Lower)	1	2
10			Washer (1/4 x 23/32 x 1/16")	1	8
11			Locknut (1/4-20)	1	8
12			Spacer, Coved (1/4 x 11/16 x 1/2")	1	8
13			Bracket, Back Mounting, Black - Right	1	1
13			Bracket, Back Mounting, Black - Left	1	1
14			Screw, Hex Head (1/4-20 x 1-5/8")	1	4
5	B,C	1070457	Kit, Back Cane Attaching Hardware	2	1
6			Locknut (5/16-24)	1	2
7			Screw w/ Lug (5/16-24 x 1-3/8")	1	2
8			Insert, Non-Threaded Back Cane (For Back Heights 20" and Lower)	1	2
9			Screw, Hex Head (1/4-20 x 1-5/8")	1	4
10			Washer (1/4 x 23/32 x 1/16")	1	4
11			Locknut (1/4-20)	1	4
12			Spacer, Coved (1/4 x 11/16 x 1/2")	1	4
5	B,D	1070458	Kit, Back Cane Attaching Hardware	2	1
6			Locknut (5/16-24)	1	2
7			Screw w/ Lug (5/16-24 x 1-3/8")	1	2
8			Insert, Non-Threaded Back Cane (For Back Heights 21" and Higher)	1	2
9			Screw, Hex Head (1/4-20 x 1-5/8")	1	4
10			Washer (1/4 x 23/32 x 1/16")	1	4
11			Locknut (1/4-20)	1	4
12			Spacer, Coved (1/4 x 11/16 x 1/2")	1	4

Back Canes, Spreader Bars and Attaching Hardware

NOTE: Chairs manufactured with a seat width, seat depth or back height of 20" and greater including all heavy duty packages will be equipped with a spreader bar standard.

NOTE: A - Includes items 8 and 10-14
B - Includes items 6-12
C - Used for 14"-20" high back canes
D - Used for 21"-24" high back canes
E - Prior to 7/9/04 new back cane attaching hardware must be ordered for 12"-15" deep seats that use CJ brackets. The threaded insert was replaced with a non-threaded insert for 14"-20" high back canes.

Back Canes, Spreader Bars and Attaching Hardware

NOTE: Chairs manufactured with a seat width, seat depth or back height of 20" and greater including all heavy duty packages will be equipped with a spreader bar standard.

#1 Back Cane Assemblies

Back Height	Back Cane- No Push Handle 10 Deg. Bend	Back Cane- Push Handle Straight	Back Cane- Push Handle 10 Deg. Bend
14"	1045243	1045255	1049957
15"	1045244	1045256	1049958
16"	1048992	1048558	1045575
17"	1048993	1048559	1045576
18"	1048994	1048560	1045577
19"	1048995	1048561	1045578
20"	1048996	1048562	1045579
21"	N/A	N/A	1052227
22"	N/A	N/A	1052230
23"	N/A	N/A	1054521
24"	N/A	N/A	1054524
NOTE: Back Cane Assemblies include Foam Grips and Plug Buttons where shown			

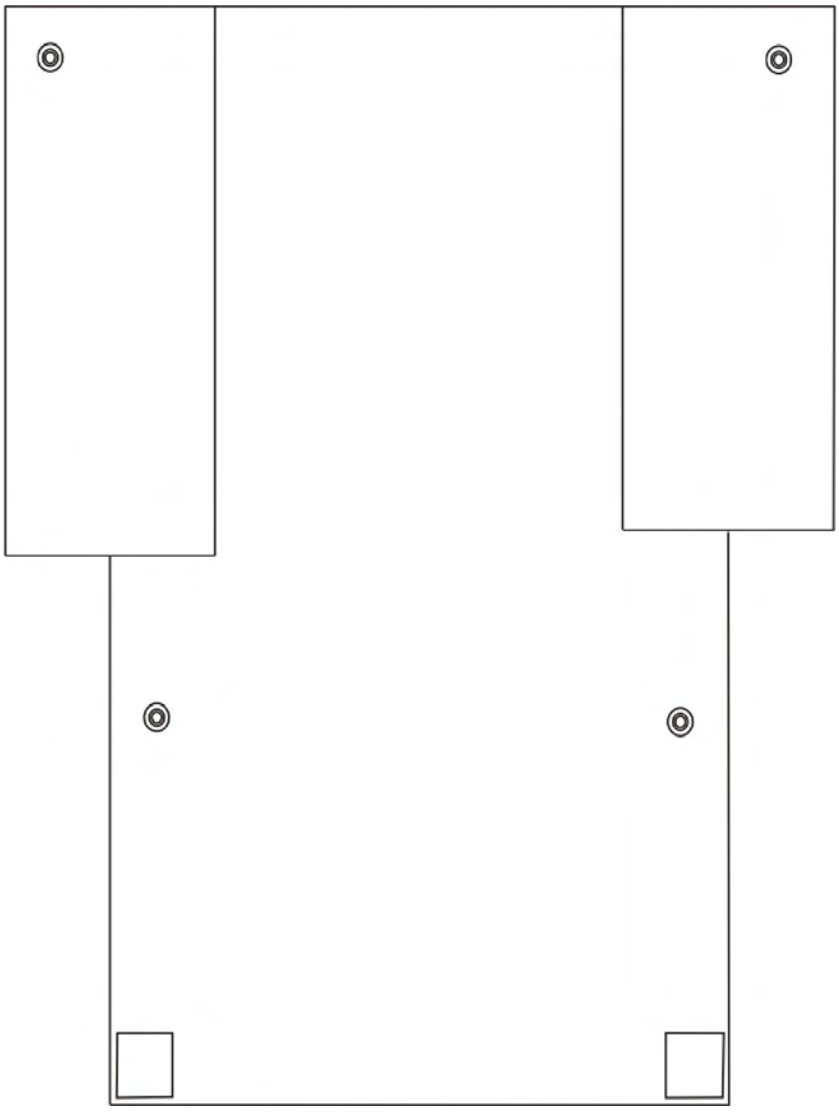
Back Canes, Spreader Bars and Attaching Hardware

NOTE: Chairs manufactured with a seat width, seat depth or back height of 20" and greater including all heavy duty packages will be equipped with a spreader bar standard.

#2 Spreader Bar

Chair Width	Part Number
14"	1043871
15"	1043872
16"	1043873
17"	1043874
18"	1043875
19"	1043876
20"	1043877
21"	1043878
22"	1043879
23"	1043880
24"	1043881

Back Upholstery - Non Recliner
Nylon



Nylon - Single Liners

Width	14"-15" High	16"-17" High	18"-19" High	20" High	21"-22" High	23"-24" High
12" W	1045222	1045257	1045258	N/A	N/A	N/A
13" W	1045224	1045259	1045260	N/A	N/A	N/A
14" W	1049942	1045173	1045205	1068945	1045157	1054527
15" W	1049943	1045174	1045206	1068946	1045158	1054528
16" W	1045175	8881045175	1045207	1068947	1045159	1054529
17" W	1049945	1045176	1045208	1068948	1045160	1054530
18" W	1049946	1045177	1045209	1068949	1045161	1054531

Back Upholstery - Non Recliner
Nylon

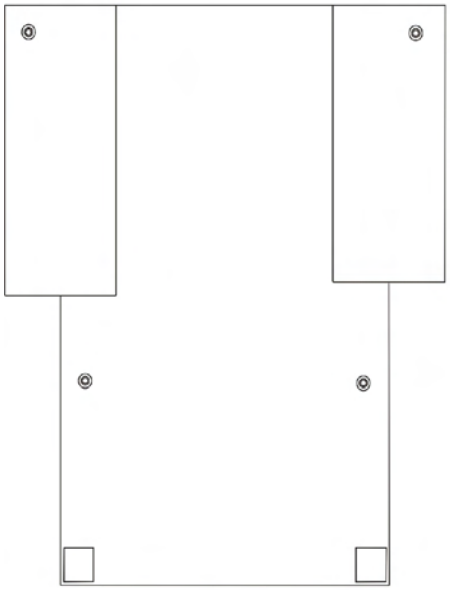
Nylon - Dual Liners

Width	16"-17" High	18"-19" High	20" High	21"-22" High	23"-24" High
16" W	1045180	1045212	1068952	1045164	1054534
17" W	1045181	1045213	1068953	1045165	1054535
18" W	1045182	1045214	1068954	1045166	1054536
19" W	1045183	1045215	1068955	1045167	1054537
20" W	1045184	1045216	1068956	1045168	1054538
21" W	1045185	1045217	1068957	1045169	1054539
22" W	1045186	1045218	1068958	1045170	1054540
23" W	1045187	1045219	1068959	1045171	1054541
24" W	1045188	1045220	1068960	1045172	1054542
NOTE: Dual liner back upholstery is used with chairs that have a seat deeper than 17" or back wider than 18".					

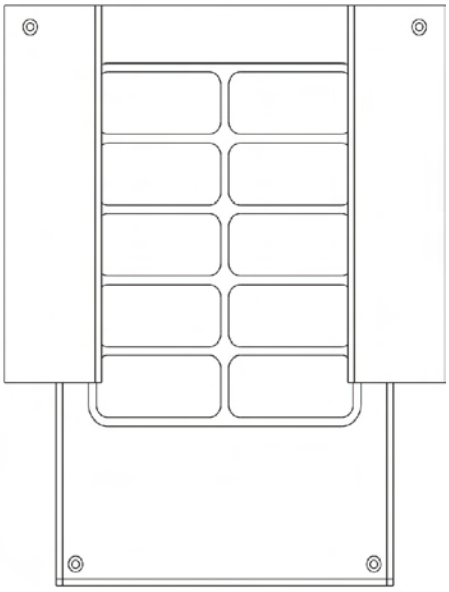
Back Upholstery Hardware

Hardware
1026298
Consists of: 2 each Screw w/ Washer (10 x 7/8") 2 each Cable Ties

Back Upholstery - Non Recliner
Vinyl



Single Liner



Dual Liner

Vinyl - Single Liners

Width	14"-15" High	16"-17" High	18"-19" High	20" High	21"-22" High	23"-24" High
12" W	8881045226	8881045261	8881045262	N/A	N/A	N/A
13" W	8881045228	8881045263	8881045264	N/A	N/A	N/A
14" W	8881049950	8881045076	8881045060	8881068961	8881045125	8881054543
15" W	8881049951	8881045077	8881045061	8881068962	8881045126	8881054544
16" W	8881049952	8881045078	8881045062	8881068963	8881045127	8881054545
17" W	8881049953	8881045079	8881045063	8881068964	8881045128	8881054546
18" W	8881049954	8881045080	8881045064	8881068965	8881045129	8881054547
NOTE: Specify upholstery color when ordering. See page titled "Frame Finishes, Touch-Up Paints and Upholstery Options" page						

Back Upholstery - Non Recliner
Vinyl

Vinyl - Dual Liners

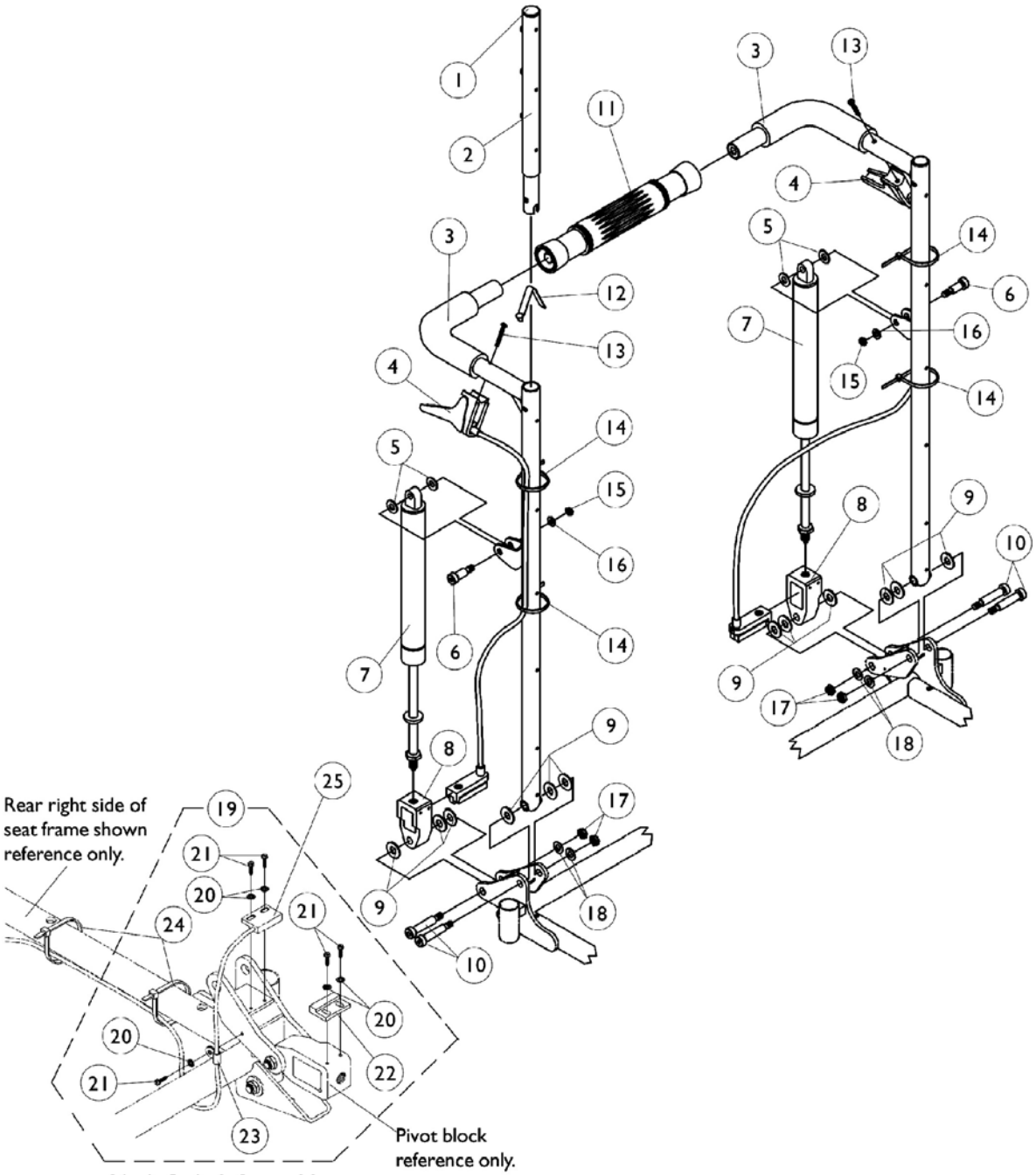
Width	16"-17" High	18"-19" High	20" High	21"-22" High	23"-24" High
16" W	8881045083	8881045067	8881068968	8881045132	8881054550
17" W	8881045084	8881045068	8881068969	8881045133	8881054551
18" W	8881045085	8881045069	8881068970	8881045134	8881054552
19" W	8881045086	8881045070	8881068971	8881045135	8881054553
20" W	8881045087	8881045071	8881068972	8881045136	8881054554
21" W	8881045088	8881045072	8881068973	8881045137	8881054555
22" W	8881045089	8881045073	8881068974	8881045138	8881054556
23" W	8881045090	8881045074	8881068975	8881045139	8881054557
24" W	8881045091	8881045075	8881068976	8881045140	8881054558

NOTE: Specify upholstery color when ordering. See page titled "Frame Finishes, Touch-Up Paints and Upholstery Options" page
NOTE: Dual liner back upholstery is used with chairs that have a seat deeper than 17" or back wider than 18".

Back Upholstery Hardware

Hardware
1026298
Consists of: 2 each Screw w/ Washer (10 x 7/8") 2 each Cable Ties

Recliner Back Assembly



Limit Switch Assembly

NOTE: Sensor actuator used with a recliner harness and sensor cable to serve as a drive lockout safety feature.

Recliner Back Assembly

Back Cane with Grip

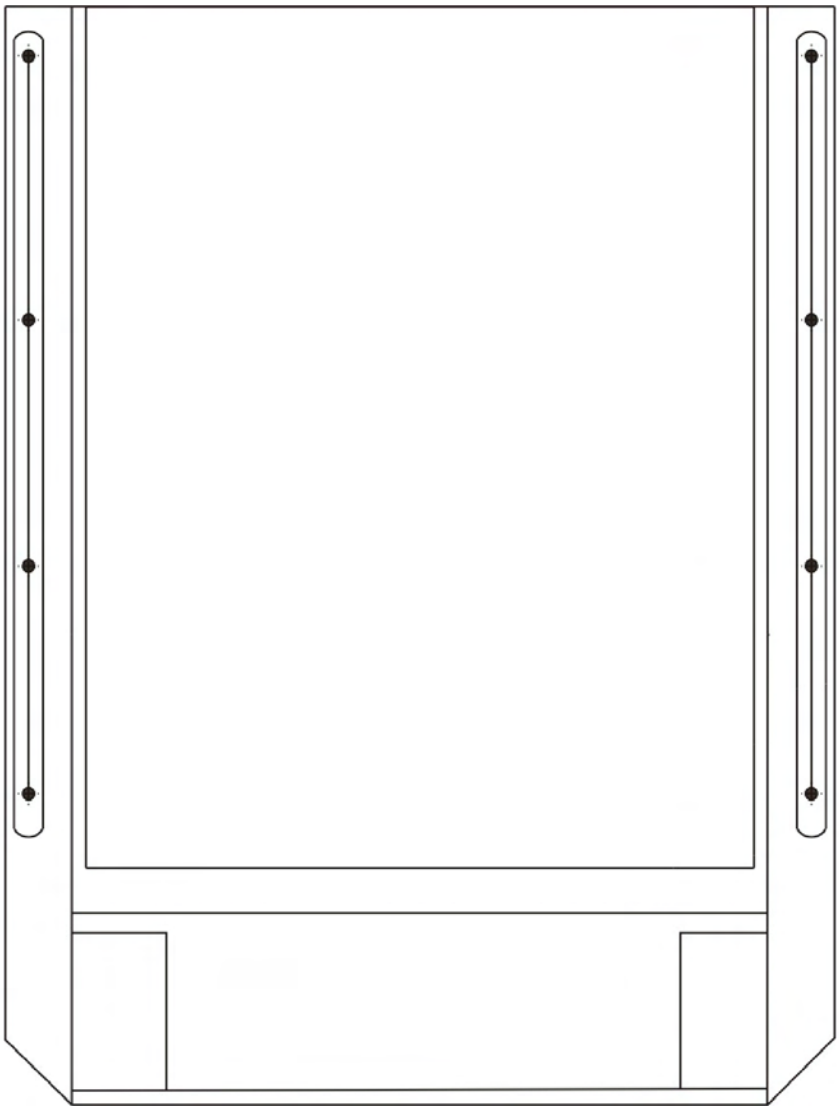
Back Height	14"-15" W Right	14"-15" W Left	16"-17" W Right	16"-17" W Left	18"-24" W Right	18"-24" W Left
18" H	1053272	1053273	1052079	1052080	1052089	1052090
20" H	1053274	1053275	1052081	1052082	1052091	1052092
22" H	1053276	1053277	1052083	1052084	1052093	1052094
24" H	1053278	1053279	1052085	1052086	1052095	1052096
26" H	1053280	1053281	1052087	1052088	1052097	1052098

Recliner Back Assembly

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1027095	Plug Button, Black (7/8")	1	2
2		1052997	Tube, Headrest with Plug Button, without Snap Buttons - Right	1	2
2		1052998	Tube, Headrest with Plug Button, without Snap Buttons - Left	1	2
3		See Chart	Recliner Back Assembly	1	2
4	A,I	1050214	Cable with Trigger	1	2
4	J	1050215	Cable with Trigger	1	2
4	K	1050216	Cable with Trigger	1	2
5		1026032	Washer, Nylon (11/32 x 11/16 x 1/16")	1	4
6		1050153	Screw, Socket Head Shoulder (5/16 x 7/8")	1	2
7	D	1050154	Lock Cylinder, Recline	1	2
7	E	1050306	Lock Cylinder	1	2
8		1050136	Pivot Block	1	2
9		1012371	Washer, Nylon (3/8 x 7/8 x 1/16")	1	12
10		1031665	Screw, Socket Head Shoulder (3/8 x 1-1/2")	1	4
11	F	1050293	Bar, Spreader, Black (14-20")	1	1
11	G	1050294	Bar, Spreader, Black (21-24")	1	1
12		1024713	Spring, Torsion w/ Button	1	2
13	C	1025714	Screw, Phillips Pan Head (#10-32 x 1-1/8")	1	2
13	B	1091417	Screw, Phillips Pan Head (#10-24 x 1-1/4")	1	2
14		1021260	Cable Tie (5-5/8" Long)	1	6
15		1025736	Locknut (1/4-20)	1	2
16		1026907	Washer (1/4 x 1/2 x 1/16")	1	2
17		1026158	Locknut (5/16-18)	1	4
18		1025704	Washer, Flat (5/16 x 5/8 x 1/16")	1	4
19	H	1053178	Switch Assembly, Limit	1	1
20		1008525	Washer, Internal Tooth Lock (#4-40)	1	5
21		1025116	Screw, Slotted Hex Head (#4-3/8")	1	5
22		1024001	Sensor, Actuator Switch	1	1
23		1050310	Clamp, Cable	1	1
24		1021260	Cable Tie (5-5/8" Long)	1	2
25		1092913	Cable, Drive Lockout Sensor	1	1

NOTE:
A - When ordering cable assembly part # 1050214 for chairs made before 2/1/00, item 13 part # 1091417 must be ordered.
B - Lever fastener changed 2/1/00 from a "10-32 threaded insert" to a "10-24 tinnerman nut" for item 4 part # 1050214.
C - Used only for cable assembly part # 1050214 thru 1/31/00.
D - Standard 250 lb. capacity
E - Heavy Duty 400 lb. capacity
F - 14" - 17" Wide
G - 18" - 24" Wide
H - Includes items 20-24. Sensor cable is not included, see item 25
I - 26" High Canes
J - 22-24" High Canes
K - 18 and 20" High Canes

Upholstery, Back - Recliner
Nylon



Nylon - Single Liners

Width	18" High	20" High	22" High	24" High	26" High
14" W	1050312	1050317	1050322	1050327	1050332
15" W	1050313	1050318	1050323	1050328	1050333
16" W	1050314	1050319	1050324	1050329	1050334
17" W	1050315	1050320	1050325	1050330	1050335
18" W	1050316	1050321	1050326	1050331	1050336

Upholstery, Back - Recliner
Nylon

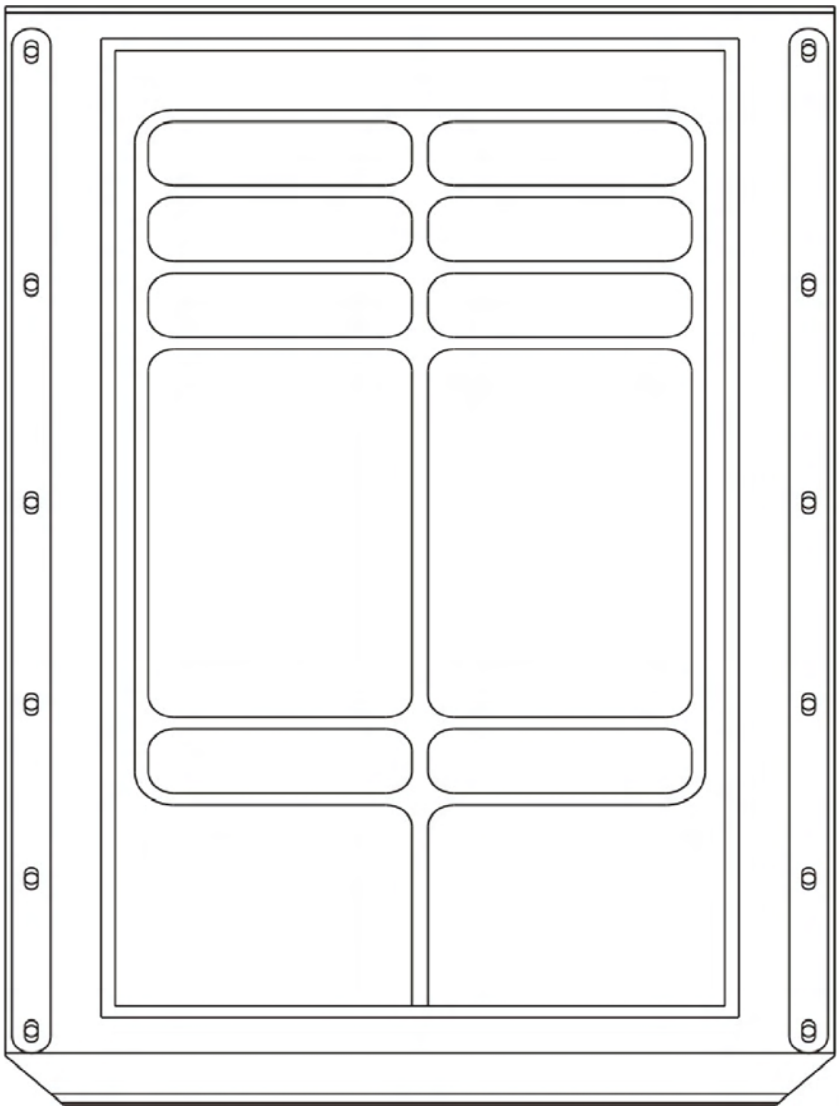
Nylon - Dual Liners

Width	18" High	20" High	22" High	24" High	26" High
16" W	1050339	1050350	1050361	1050372	1050383
17" W	1050340	1050351	1050362	1050373	1050384
18" W	1050341	1050352	1050363	1050374	1050385
19" W	1050342	1050353	1050364	1050375	1050386
20" W	1050343	1050354	1050365	1050376	1050387
21" W	1050344	1050355	1050366	1050377	1050388
22" W	1050345	1050356	1050367	1050378	1050389
23" W	1050346	1050357	1050368	1050379	1050390
24" W	1050347	1050358	1050369	1050380	1050391
NOTE: Dual liner back upholstery is used with chairs that have a seat deeper than 17" or back wider than 18".					

Back Upholstery Hardware

Hardware
1027059
Consists Of: 10 each Screw w/ Washer (10 x 7/8")

Upholstery, Back - Recliner
Vinyl



Vinyl - Single Liner

Width	18" High	20" High	22" High	24" High	26" High
14" W	8881050561	8881050566	8881050571	8881050576	8881050581
15" W	8881050562	8881050567	8881050572	8881050577	8881050582
16" W	8881050563	8881050568	8881050573	8881050578	8881050583
17" W	8881050564	8881050569	8881050574	8881050579	8881050584
18" W	8881050565	8881050570	8881050575	8881050580	8881050585
Note: Specify upholstery color when ordering. See page titled "Frame Finishes, Touch-Up Paints and Upholstery Options" page					

Upholstery, Back - Recliner
Vinyl
Vinyl - Dual Liner

Width	18" High	20" High	22" High	24" High	26" High
16" W	8881050588	8881050599	8881050610	8881050621	8881050632
17" W	8881050589	8881050600	8881050611	8881050622	8881050633
18" W	8881050590	8881050601	8881050612	8881050623	8881050634
19" W	8881050591	8881050602	8881050613	8881050624	8881050635
20" W	8881050592	8881050603	8881050614	8881050625	8881050636
21" W	8881050593	8881050604	8881050615	8881050626	8881050637
22" W	8881050594	8881050605	8881050616	8881050627	8881050638
23" W	8881050595	8881050606	8881050617	8881050628	8881050639
24" W	8881050596	8881050607	8881050618	8881050629	8881050640

Note: Specify upholstery color when ordering. See page titled "Frame Finishes, Touch-Up Paints and Upholstery Options" page
Note: Dual liner back upholstery is used with chairs that have a seat deeper than 17" or back wider than 18".

Back Upholstery Hardware

Hardware
1027059
Consists of: 10 each Screw w/ Washers {10 x 78"}

Headrest Upholstery and Pillows

Recliner - Headrest

Width	Nylon Headrest	Vinyl Headrest See Note(s) A
14" W	1054627	8881054630
15" W	1055280	8881055288
16" W	1054628	8881054631
17" W	1055281	8881055289
18" W	1054629	8881054632
19" W	1055282	8881055290
20" W	1055283	8881055291
21" W	1055284	8881055292
22" W	1055285	8881055293
23" W	1055286	8881055294
24" W	1055287	8881055295
NOTE: A - Specify upholstery color when ordering.		

Headrest Upholstery Attaching Hardware

Description	Part Number
Headrest Upholstery Attaching Hardware Includes: 6 each Screw with Washer (10 x 7/8")	1030441

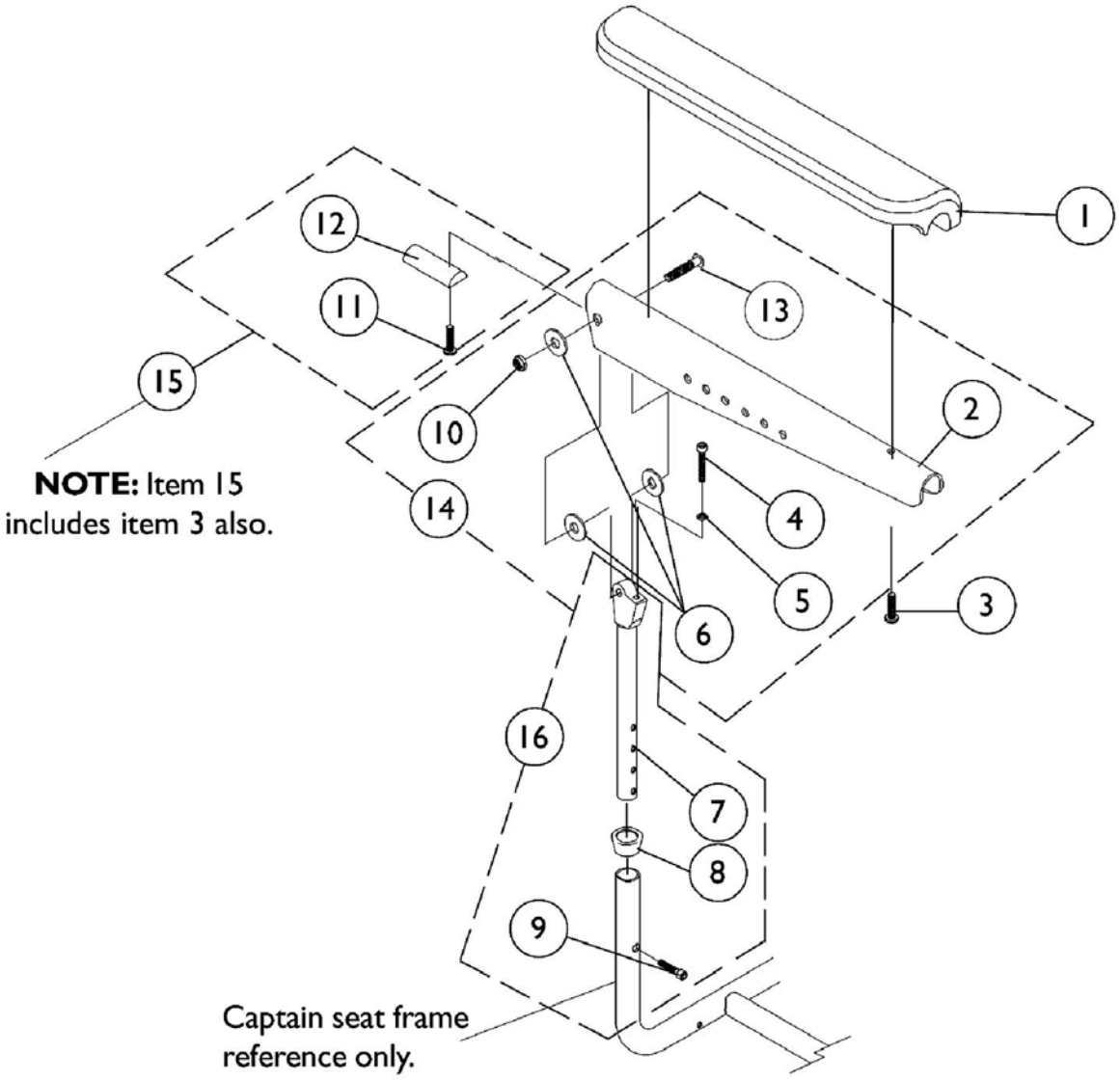
Headrest Upholstery and Pillows

Headrest Pillows

Width	Nylon - Headrest Pillows	Vinyl - Headrest Pillows
14" W	1054894	8881054617 See Note(s) A
15" thru 18" W	1054896	8881054619 See Note(s) A
19" thru 22" W	1054598	8881054623 See Note(s) A
23" thru 24" W	1055274	8881055277 See Note(s) A

NOTE: A - Specify upholstery color when ordering. See page titled "Frame Finishes, Touch-Up Paints and Upholstery Options" page

Captain Seat Arms and Hardware
18" Wide Models

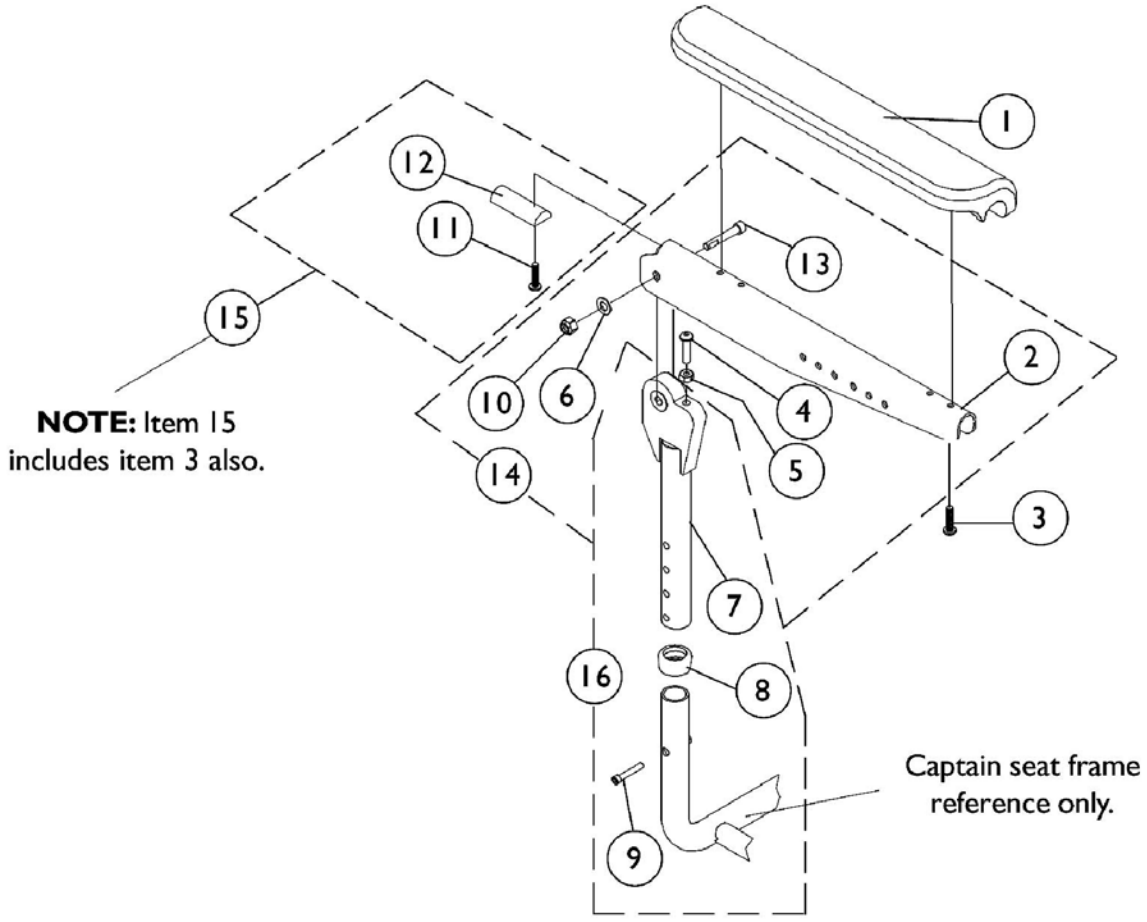


Captain Seat Arms and Hardware
18" Wide Models

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	A	1117328	Arm Pad, Full Length, Urethane Waterfall with Screws, Black (13" L x 2-5/8" W)	1	2
2		1071359	Plate, Armrest (Black)	1	2
3		1028755	Screw, Phillips Pan Head (#10-32 x 5/8")	1	4
4		1009837	Screw, Socket Button Head (1/4-20 x 1")	1	2
5		1025711	Nut, Hex (1/4-20)	1	2
6		1025704	Washer, Flat (5/16 x 5/8 x 1/16")	1	6
7		1070928	Arm Tube, Upper Height and Width Adjustable (Black)	1	2
8		15680X013	Anti-Rattle (1")	1	2
9		7930304	Screw, Socket Head (1/4-20 x 1-1/4")	25	2
10		1026906	Locknut (5/16-24)	1	2
11		1102546	Screw, Phillips Pan Head (#10-32 x 7/8")	1	2
12		1070106	Insert, Armrest	1	2
13		1031026	Screw w/ Lug (5/16-24 x 1-3/8")	1	2
14	B	1074120	Kit, Armrest Attaching Hardware (Pair)	2	1
15	C	1073378	Kit, Arm Pad Attaching Hardware	2	1
16	D	1070756	Arm Tube Assembly, Upper Adjustable (Pair)	2	1

NOTE: A - As of 1/3/02 upholstered waterfall armpads were replaced with black urethane waterfall armpads. Order in pairs for chairs manufactured before 1/3/02.
B - Includes items 2, 4, 5, 6, 10, 13
C - Includes items 3, 11, 12
D - Includes items 7-9

Captain Seat Arms and Hardware
20" and 22" Wide Models

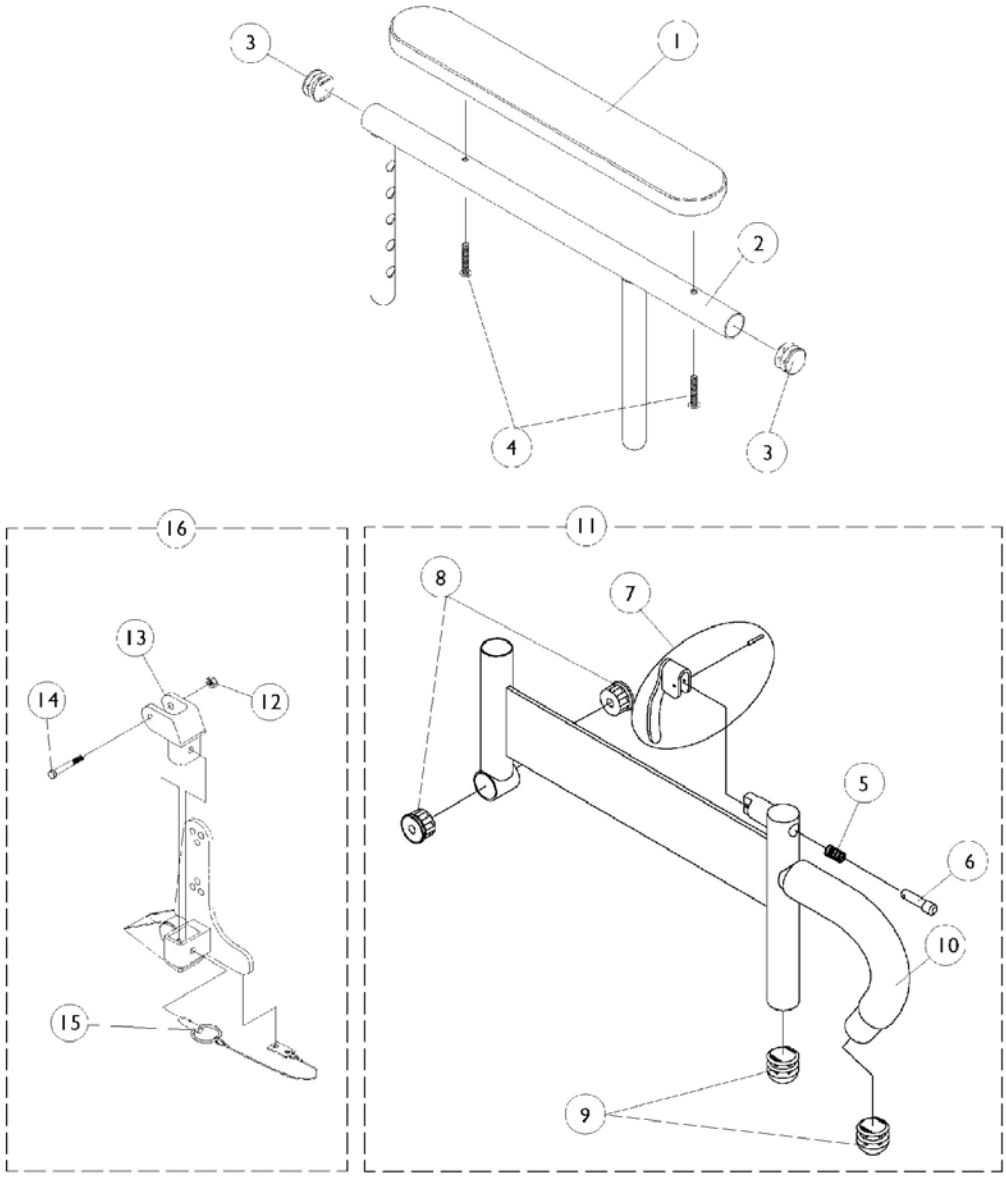


Captain Seat Arms and Hardware
20" and 22" Wide Models

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	A	1117328	Arm Pad, Full Length, Urethane Waterfall with Screws, Black (13" L x 2-5/8" W)	1	2
2		1101912	Plate, Armrest	1	2
3		1028755	Screw, Phillips Pan Head (#10-32 x 5/8")	1	2
4		1009837	Screw, Socket Button Head (1/4-20 x 1")	1	2
5		1025711	Nut, Hex (1/4-20)	1	2
6		1025704	Washer, Flat (5/16 x 5/8 x 1/16")	1	2
7		1101914	Arm Tube, Upper Adjustable	1	2
8		1101110	Anti-Rattle	1	2
9		1038379	Screw, Socket Head Cap w/ Patch (1/4-20 x 1-1/2")	1	2
10		1026906	Locknut (5/16-24)	1	2
11		1102546	Screw, Phillips Pan Head (#10-32 x 7/8")	1	2
12		1101634	Insert, Armrest	1	2
13		1031026	Screw w/ Lug (5/16-24 x 1-3/8")	1	2
14	B	1101917	Hardware, Armrest Attaching (Pair)	2	1
15	C	1101916	Hardware, Arm Pad Attaching (Pair)	2	1
16	D	1101915	Arm Tube Assembly, Upper Adjustable (Pair)	2	1

NOTE: A - As of 1/3/02 upholstered waterfall armpads were replaced with black urethane waterfall armpads. Order in pairs for chairs manufactured before 1/3/02.
B - Includes items 2, 4, 5, 6, 10, 13
C - Includes items 3, 11, 12
D - Includes items 7-9

Arms - Junior Adjustable Height

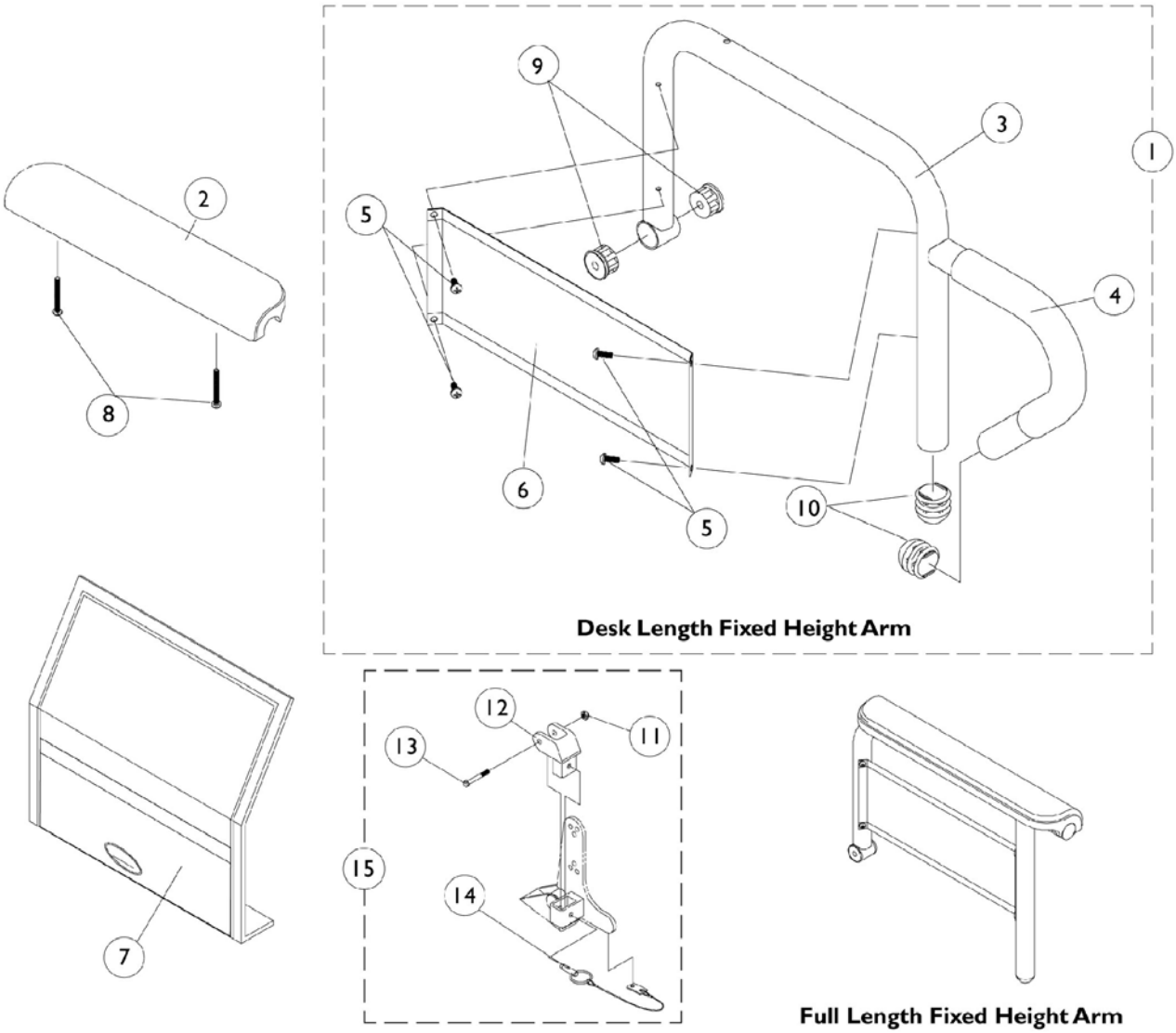


Arms - Junior Adjustable Height

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	A	8881015932	Arm Pad, Vinyl, Full Length (14" L x 2" W) - Right	1	1
1	A	8881015933	Arm Pad, Vinyl, Full Length (14" L x 2" W) - Left	1	1
1	A	8881053577	Arm Pads, Vinyl, Full Length with Screws (14" L x 2" W)	2	1
1	A	8881011811	Arm Pad, Vinyl, Desk Length (9" L x 2" W)	1	1
1	A	8881053578	Arm Pads, Vinyl, Desk Length with Screws (9" L x 2" W)	2	1
2		1071263	Upper Arm Assembly, Adjustable Height with Plug Buttons - Full Length	1	1
2		1071259	Upper Arm Assembly, Adjustable Height with Plug Buttons - Desk Length	1	1
3		1027095	Plug Button, Black (7/8")	1	2
4		1055949	Screws, Phillips Pan Head (#10-32 x 1-1/8")	2	1
5		47471X074	Spring, Arm Lock	1	1
6		1028594	Pin, Arm Lock	1	1
7		1090768	Kit, Lock Handle w/Rivets (both LT & RT side)	2	1
8		1065936	Plug, Pivot	1	2
9		1067734	Plug Button, Black (5/8")	1	2
10		1016298	Grip, Push Handle	1	1
11		1068585	Arm Base Assembly, Adjustable Height - Right (Black)	1	1
11		1068586	Arm Base Assembly, Adjustable Height - Left (Black)	1	1
12		7930323	Package, Locknut (1/4-20)	1	1
13		1068025	Clevis, Pivot	1	1
14		1019590	Screw, Socket Button Head (1/4-20 x 1-5/8")	1	1
15		1068039	Pin, Pull	1	1
	B	1045203	Decal, Junior	1	1
16		1068488	Kit, Swingaway Armrest Mounting Hardware	1	1

NOTE: A - Specify upholstery color when ordering.
B - Not Shown

Arms - Fixed Height



Desk Length Fixed Height Arm

Full Length Fixed Height Arm

Arms - Fixed Height

#1 Arms Less Pad

16" - 19" Deep Seat Frames

Arm Style	Right	Left
Desk	1068566	1068567
Full	1068559	1068560

#1 Arms Less Pad

20" and Deeper Seat Frames

Arm Style	Right	Left
Desk Long	1068540	1068541
Full Long	1068528	1068529

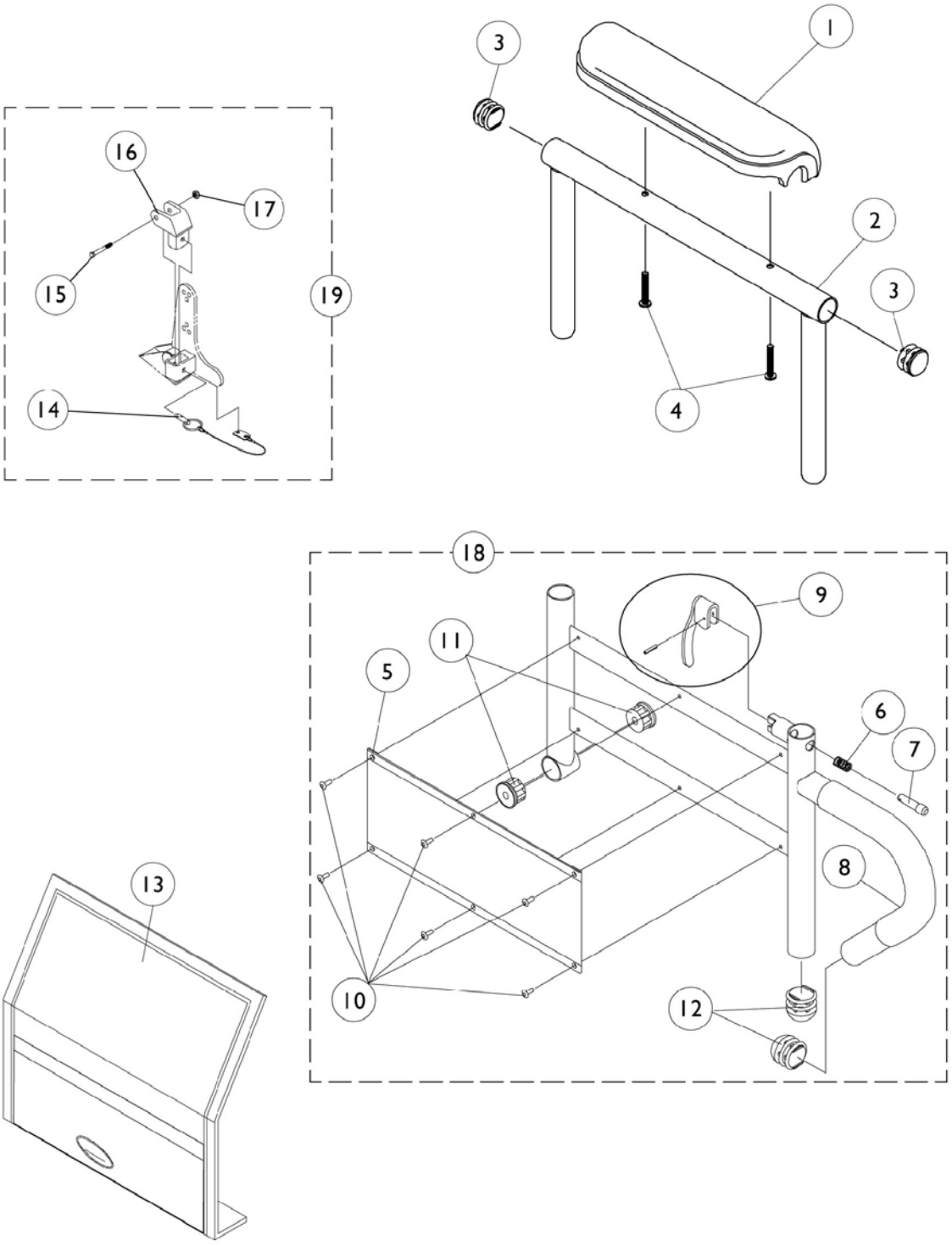
Arms - Fixed Height

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		See Chart	#1 Arms Less Pad	1	1
1		See Chart	#1 Arms Less Pads	1	1
2	A	1117328	Arm Pad, Full Length, Urethane Waterfall with Screws, Black (13" L x 2-5/8" W)	1	1
2		1110818	Arm Pads, Full Length, Urethane Waterfall with Screws, Black (13" L x 2-5/8" W) (Pair)	2	1
2	A	1117327	Arm Pad, Desk Length, Urethane Waterfall with Screws, Black (9" L x 2-5/8" W)	1	1
2		1110817	Arm Pads, Desk Length, Urethane Waterfall with Screws, Black (9" L x 2-5/8" W) (Pair)	2	1
3		1068564	Arm Tube, Desk Length 16-19" Deep - Right (Black)	1	1
3		1068565	Arm Tube, Desk Length 16-19" Deep - Left (Black)	1	1
3		1068414	Arm Tube, Desk Length Long 20" and Deeper - Right (Black)	1	1
3		1068415	Arm Tube, Desk Length Long 20" and Deeper - Left (Black)	1	1
3		1068490	Arm Tube, Full Length Standard 16-19" Deep - Right (Black)	1	1
3		1068491	Arm Tube, Full Length Standard 16-19" Deep - Left (Black)	1	1
3		1068473	Arm Tube, Full Length Long 20" and Deeper - Right (Black)	1	1
3		1068474	Arm Tube, Full Length Long 20" and Deeper - Left (Black)	1	1
4		1032244	Grip, Foam Hand (9" Long)	1	1
5		1025729	Screw, Self Tapping Pan Head (#8-32 x 3/8")	1	4
6		1035472	Clothing Guard, Desk Length	1	1
6		1044572	Clothing Guard, Full Length 16-19" Deep	1	1
6		1044005	Clothing Guard, Full Length 20" and Deeper	1	1
7		1035065	Cover, Clothing Guard with Pocket - For Fixed Height Desk Length & Adjustable Height Full/Desk Length	1	1
7		1044588	Cover, Clothing Guard with Pocket For Fixed Height Full Length - 20" and Deeper	1	1
8		1055949	Screws, Phillips Pan Head (#10-32 x 1-1/8")	2	1
8		1094270	Screw, Phillips Pan Head (#10-32 x 1-1/4") (Pair)	2	1
9		1065936	Plug, Pivot	1	2
10		1067734	Plug Button, Black (5/8")	1	2
11		7930323	Package, Locknut (1/4-20)	1	1
12		1068025	Clevis, Pivot	1	1
13		1019590	Screw, Socket Button Head (1/4-20 x 1-5/8")	1	1
14		1068039	Pin, Pull	1	1
15		1068488	Kit, Swingaway Armrest Mounting Hardware	1	1

Arms - Fixed Height

NOTE: A - As of 1/3/02 upholstered waterfall armpads were replaced with black urethane waterfall armpads. Order in pairs for chairs manufactured before 1/3/02.

Arms - Adjustable Height



Arms - Adjustable Height

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	A	1117328	Arm Pad, Full Length, Urethane Waterfall with Screws, Black (13" L x 2-5/8" W)	1	1
1		1110818	Arm Pads, Full Length, Urethane Waterfall with Screws, Black (13" L x 2-5/8" W) (Pair)	2	1
1	A	1117327	Arm Pad, Desk Length, Urethane Waterfall with Screws, Black (9" L x 2-5/8" W)	1	1
1		1110817	Arm Pads, Desk Length, Urethane Waterfall with Screws, Black (9" L x 2-5/8" W) (Pair)	2	1
2		1071253	Arm Top, Adjustable Height with Plug Buttons - Full Length (Black)	1	1
2		1070859	Arm Tube, Upper with Plug Buttons (Black) - Desk Length	1	1
3		1027095	Plug Button, Black (7/8")	1	2
4		1055949	Screws, Phillips Pan Head (#10-32 x 1-1/8")	2	1
4		1094270	Screw, Phillips Pan Head (#10-32 x 1-1/4") (Pair)	2	1
5		1064130	Clothing Guard	1	1
6		47471X074	Spring, Arm Lock	1	1
7		1028594	Pin, Arm Lock	1	1
8		1032244	Grip, Foam Hand (9" Long)	1	1
9		1090768	Kit, Lock Handle w/Rivets (both LT & RT side)	2	1
10		1028645	Rivet	1	6
11		1065936	Plug, Pivot	1	2
12		1067734	Plug Button, Black (5/8")	1	2
13		1035065	Cover, Clothing Guard with Pocket - For Fixed Height Desk Length & Adjustable Height Full/Desk Length	1	1
14		1068039	Pin, Pull	1	1
15		1019590	Screw, Socket Button Head (1/4-20 x 1-5/8")	1	1
16		1068025	Clevis, Pivot	1	1
17		7930323	Package, Locknut (1/4-20)	1	1
18		1068416	Arm Base, Adjustable Height 16-19" Deep - Right (Black)	1	1
18		1068417	Arm Base, Adjustable Height 16-19" Deep - Left (Black)	1	1
18		1068418	Arm Base, Adjustable Height 20" and Deeper - Right (Black)	1	1
18		1068419	Arm Base, Adjustable Height 20" and Deeper - Left (Black)	1	1
18		1067761	Arm Base, 1" Lower, Adjustable Height 16-19" Deep - Right (Black)	1	1
18		1067762	Arm Base, 1" Lower, Adjustable Height 16-19" Deep - Left (Black)	1	1
18		1067755	Arm Base, 1" Lower, Adjustable Height 20" and Deeper - Right (Black)	1	1

Arms - Adjustable Height

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
18		1067756	Arm Base, 1" Lower, Adjustable Height 20" and Deeper - Left (Black)	1	1
19		1068488	Kit, Swingaway Armrest Mounting Hardware	1	1

NOTE: A - As of 1/3/02 upholstered waterfall armpads were replaced with black urethane waterfall armpads. Order in pairs with screws for chairs manufactured before 1/3/02.

Front Riggings Reference Chart

Pivot/ Slide tube and footplates are interchangeable with the support assemblies listed above them.

1651=Composite footplate with 9-7/8" curved pivot/slide tube.
AT5543=Adjustable angle footplate with 9-7/8" straight pivot/slide tube.
1450=Deluxe aluminum footplate with "L" style pivot/slide tube.
1350=Extra large footplate with "L" style pivot/slide tube.
NOTE: Calf pads with attaching hardware not included on legrest. NOTE: Pivot/ Slide tube attaching hardware not included. NOTE: Pivot/Slide tube and footplates do not include heel loops. See footrest and legrest accessories.

Support Assemblies

Rigging Type	AT5544	60HD	70NHD	PW93	PW93E	60 MFX
Right	8881045291 See Note(s) A	8881053158 See Note(s) A	8881053149 See Note(s) A	8881070776 See Note(s) A	8881070768 See Note(s) A	8881026998 See Note(s) A
Left	8881045292 See Note(s) A	8881053157 See Note(s) A	8881053148 See Note(s) A	8881070777 See Note(s) A	8881070769 See Note(s) A	8881026999 See Note(s) A
NOTE: A - Specify frame color when ordering.						

Pivot/ Slide Tube with Footplates

Footplate Type	1651 13-14" W	1651 15-16" W	1651 17-24" W	1350 17-24" W	AT5543 12-13" W	AT5543 14-15" W	AT5543 16-24" W
Right	1057859	1057869	1057879	1026395	1060442	1060444	1062756
Left	1057860	1057870	1057880	1026396	1060443	1060445	1062757
Right 2" Longer	1057861	1057871	1057881	1086515	N/A	1062758	1062760
Left 2" Longer	1057862	1057872	1057882	1086517	N/A	1062759	1062761
Right 4" Longer	1058419	1058421	1058423	1086516	N/A	N/A	N/A
Left 4" Longer	1058420	1058422	1058424	1086518	N/A	N/A	N/A

Front Riggings Reference Chart

Support Assembly

AT5544

Right	Left
8881045291 See Note(s) A	8881045292 See Note(s) A
NOTE: A - Specify frame color when ordering	

Pivot/ Slide Tube and Footplates

1450 16"-24" Wide

Right	Left
1028723	1028724

STD. = Aluminum footplate with "L" style pivot/slide tube.
1450 = Deluxe aluminum footplate with "L" style pivot/slide tube.
1350 = Extra large footplate with "L" style pivot/slide tube.
NOTE: Calf pads with attaching hardware not included on legrest. NOTE: Pivot/Slide tube attaching hardware not included. NOTE: Pivot/Slide tube and footplates do not include heel loops. See footrest and legrest accessories.

Support Assembly

P904A

Right	Left
8881058646 See Note(s) A	8881058647 See Note(s) A
NOTE: A - Specify frame color when ordering.	

Front Riggings Reference Chart

Pivot/ Slide Tube and Footplates

P904A

Footplate Type	Standard 14-15" W	Standard 16-24" W	1450 16-24" W	1350 17-24" W
Right	1058612	1058604	1028723	1058830
Left	1058613	1058605	1028724	1058831
Right 2" Longer	N/A	1086529	N/A	1086541
Left 2" Longer	N/A	1086531	N/A	1086551
Right 4" Longer	N/A	1086530	N/A	1086542
Left 4" Longer	N/A	1086532	N/A	1086552

Support Assembly

PAL4A/PAS4A (Chrome Only)

Right	Left
1058482	1058483

Pivot/ Slide Tube and Footplates

PALA4/PAS4A

Footplate Type	Standard 14-15" W	Standard 16-24" W	1450 16-24" W	1350 17-24" W
Right	1023905	1023907	1023924	1035456
Left	1023906	1023908	1023925	1035457

Front Riggings Reference Chart

1651=Composite footplate with 9-7/8" curved pivot/slide tube.
AT5543 = Adjustable angle footplates with 9-7/8" straight pivot/slide tube.
Std. = Aluminum footplate with "L" style pivot/slide tube.
1450 = Deluxe aluminum footplate with "L" style pivot/style tube.
1350 = Extra large footplate with "L" style pivot/slide tube.
5043 = Flip up footplates without pivot/slide tubes.
NOTE: Pivot/Slide tube attaching hardware not included. NOTE: Pivot/Slide tube and footplates do not include heel loops. See footrest and legrest accessories.

Support Assembly

P93M

Right	Left
8881037836 See Note(s) A	8881037837 See Note(s) A
NOTE: A - Specify frame color when ordering	

Pivot/ Slide Tube and Footplates

P93M

Footplate Type	Standard 14-15" W	Standard 16-24" W	1450 16-24" W	1350 17-24" W
Right	1058573	1057969	1028892	1031924
Left	1058574	1057970	1028893	1031925
Right 2" Longer	N/A	N/A	N/A	1086519
Left 2" Longer	N/A	N/A	N/A	1086523
Right 4" Longer	N/A	N/A	N/A	1086520
Left 4" Longer	N/A	N/A	N/A	1086524

Front Riggings Reference Chart

70 MFX and 90 Swing Supports

Supports	70 MFX	90 Swing
Right	8881047480 See Note(s) A	8881062596 See Note(s) A
Left	8881047481 See Note(s) A	8881062597 See Note(s) A

NOTE: A - Specify frame color when ordering.

Footrest Tube and Footplates

70MFX and P93M

Footplate Type	AT5043 12-16" W	AT5543 12-13" W	AT5543 14-15" W	AT5543 17-24" W
Right	1029434	1060436	1060438	1062570
Left	1029435	1060437	1060439	1062571

Support Assembly

PW93ST/ 70STTAPER

Rigging Type	PW93ST	70STTAPER
Right	8881070784 See Note(s) A	8881026996 See Note(s) A
Left	8881070785 See Note(s) A	8881026997 See Note(s) A

NOTE: A - Specify frame color when ordering.

Front Riggings Reference Chart

Pivot/Slide Tube and Footplates

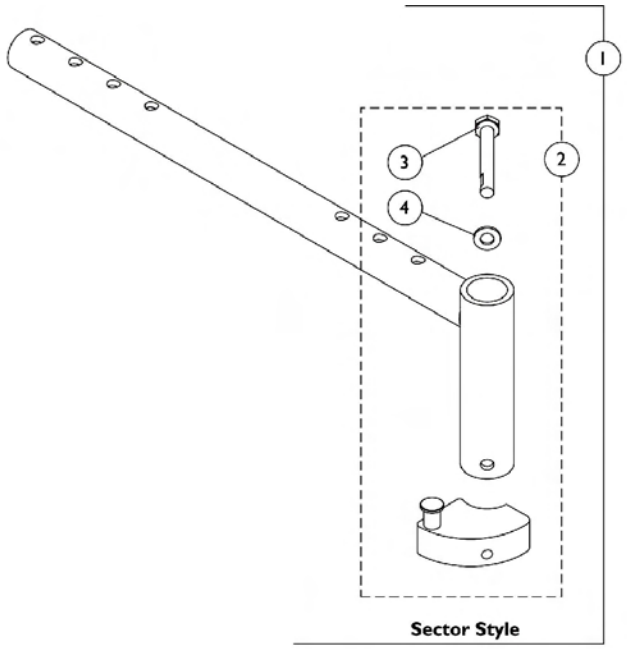
PW93ST / 70STTAPER

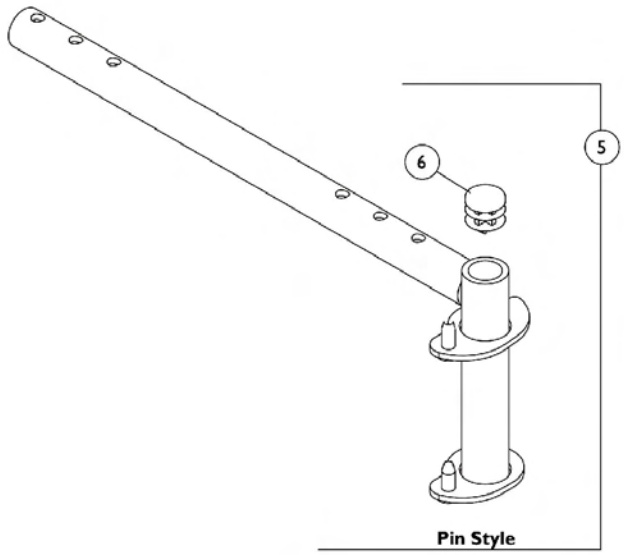
Footplate Type	1651 15-17" W	1651 18-19" W	1651 20-24" W
Right	1057859	1057869	1057879
Left	1057860	1057870	1057880
Right 2" Longer	1057861	1057871	1057881
Left 2" Longer	1057862	1057872	1057882

Front Rigging Hanger Assembly

Pin and Sector Style

NOTE: Front rigging hanger assemblies and seat pans share the same mounting hardware, see Seat Pan and Mounting Hardware page.





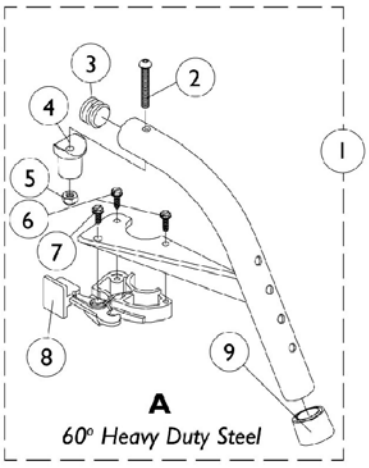
Front Rigging Hanger Assembly
Pin and Sector Style

NOTE: Front rigging hanger assemblies and seat pans share the same mounting hardware, see Seat Pan and Mounting Hardware page.

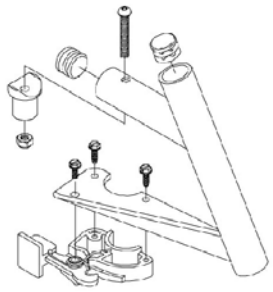
Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	A	1068435	Front Rigging Hanger Assembly, Sector Style (12-21" Deep) - Right	1	1
1	A	1068436	Front Rigging Hanger Assembly, Sector Style (12-21" Deep) - Left	1	1
1	A	1068437	Front Rigging Hanger Assembly, Sector Style (22" Deep) - Right	1	1
1	A	1068438	Front Rigging Hanger Assembly, Sector Style (22" Deep) - Left	1	1
2	B	1054571	Kit, Sector Block - Right	1	1
2	B	1054572	Kit, Sector Block - Left	1	1
3		1052957	Screw, Hex Head (1/4-20 x 2")	1	1
4		1026907	Washer (1/4 x 1/2 x 1/16")	1	1
5	C	1070356	Hanger Assembly, Front Rigging, Pin Style - (12-21" Deep), Right	1	1
5	C	1070357	Hanger Assembly, Front Rigging, Pin Style - (12-21" Deep), Left	1	1
5	C	1070358	Hanger Assembly, Front Rigging, Pin Style - (22" Deep), Right	1	1
5	C	1070359	Hanger Assembly, Front Rigging, Pin Style - (22" Deep), Left	1	1
6		1027097	Plug Button, Black (3/4")	1	1

NOTE: A - Includes front rigging hanger and item 2
B - Includes the sector block assembly and items 3 and 4
C - Includes front rigging hanger and item 6

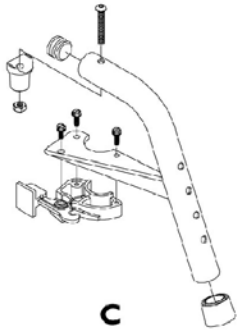
Footrest Support Assemblies
(Sector Style)



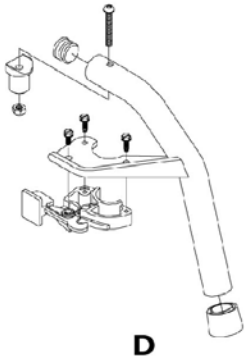
A
60° Heavy Duty Steel



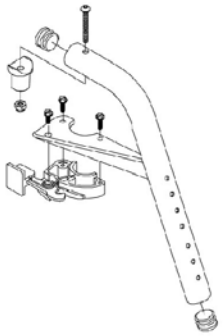
B
60° degree MFX



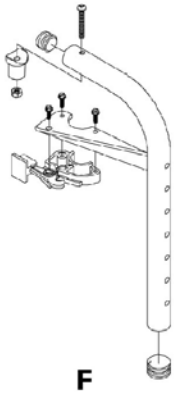
C
70° Non-Tapered
Heavy Duty Steel



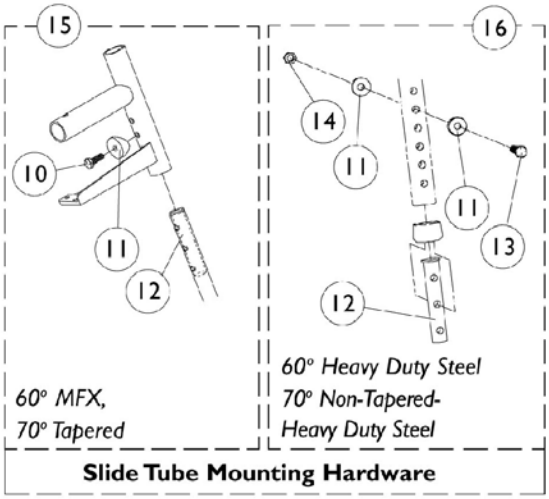
D
70° Tapered



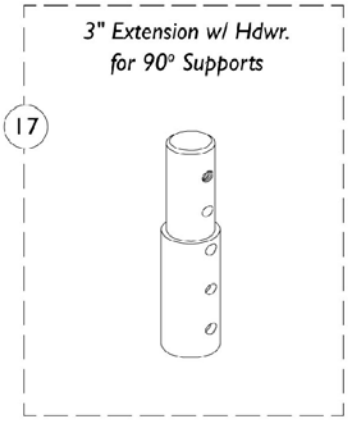
E
70° MFX



F
90°



Slide Tube Mounting Hardware



Footrest Support Assemblies
(Sector Style)

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	A,G	8881053158	Footrest Support Assembly, 60° Heavy Duty, Sector, Color - Right	1	1
1	A,G	8881053157	Footrest Support Assembly, 60° Heavy Duty, Sector, Color - Left	1	1
1	B,G	8881026998	Footrest Support Assembly, 60° MFX, Sector, Color - Right	1	1
1	B,G	8881026999	Footrest Support Assembly, 60° MFX, Sector, Color - Left	1	1
1	C,G	8881053149	Footrest Support Assembly, 70° Non-Tapered Heavy Duty, Sector, Color - Right	1	1
1	C,G	8881053148	Footrest Support Assembly, 70° Non-Tapered Heavy Duty, Sector, Color - Left	1	1
1	D,G	8881026996	Footrest Support Assembly, 70° Tapered, Sector, Color - Right	1	1
1	D,G	8881026997	Footrest Support Assembly, 70° Tapered, Sector, Color - Left	1	1
1	E,G	8881047481	Footrest Support Assembly, 70° MFX, Sector, Color - Right	1	1
1	E,G	8881047480	Footrest Support Assembly, 70° MFX, Sector, Color - Left	1	1
1	F,G	8881062596	Footrest Support Assembly, 90°, Sector, Color - Right	1	1
1	F,G	8881062597	Footrest Support Assembly, 90°, Sector, Color - Left	1	1
2		7930321	Screw, Socket Button Head (1/4-20 x 1-7/8")	1	1
3		1029501	Plug Button, Black (1")	1	1
4		1017148	Plug, Pivot	1	1
5		7930333	Locknut (1/4-20)	1	1
6		1025451	Screw, Slotted Hex Washer Head (#10-32 x 5/8")	1	2
7		7930314	Screw, Slotted Hex Head (#10-32 x 1/2")	1	1
8		1025454	Latch Housing - Right	1	1
8		1025455	Latch Housing - Left	1	1
9		1026124	Anti-Rattle Collar	1	1
10		1045267	Screw, Hex Head (1/4-20 x 3/4")	1	2
11		1026099	Spacer, Coved (1/4 x 11/16 x 1/2")	1	2
12		1020534	Insert, Threaded	1	2
13		1019590	Screw, Socket Button Head (1/4-20 x 1-5/8")	1	2
14		7930338	Nut, Acorn (1/4-20)	1	2
15		1026703	Kit, Pivot/Slide Tube Mounting Hardware (Pair)	2	1
16		1057846	Kit, Pivot/Slide Tube Mounting Hardware (Pair)	2	1
17	G	8881038231	Kit, 3" Extension w/ Hardware (Pair)	2	1
	H	1026987	Impact Guard, 8" Long	1	1

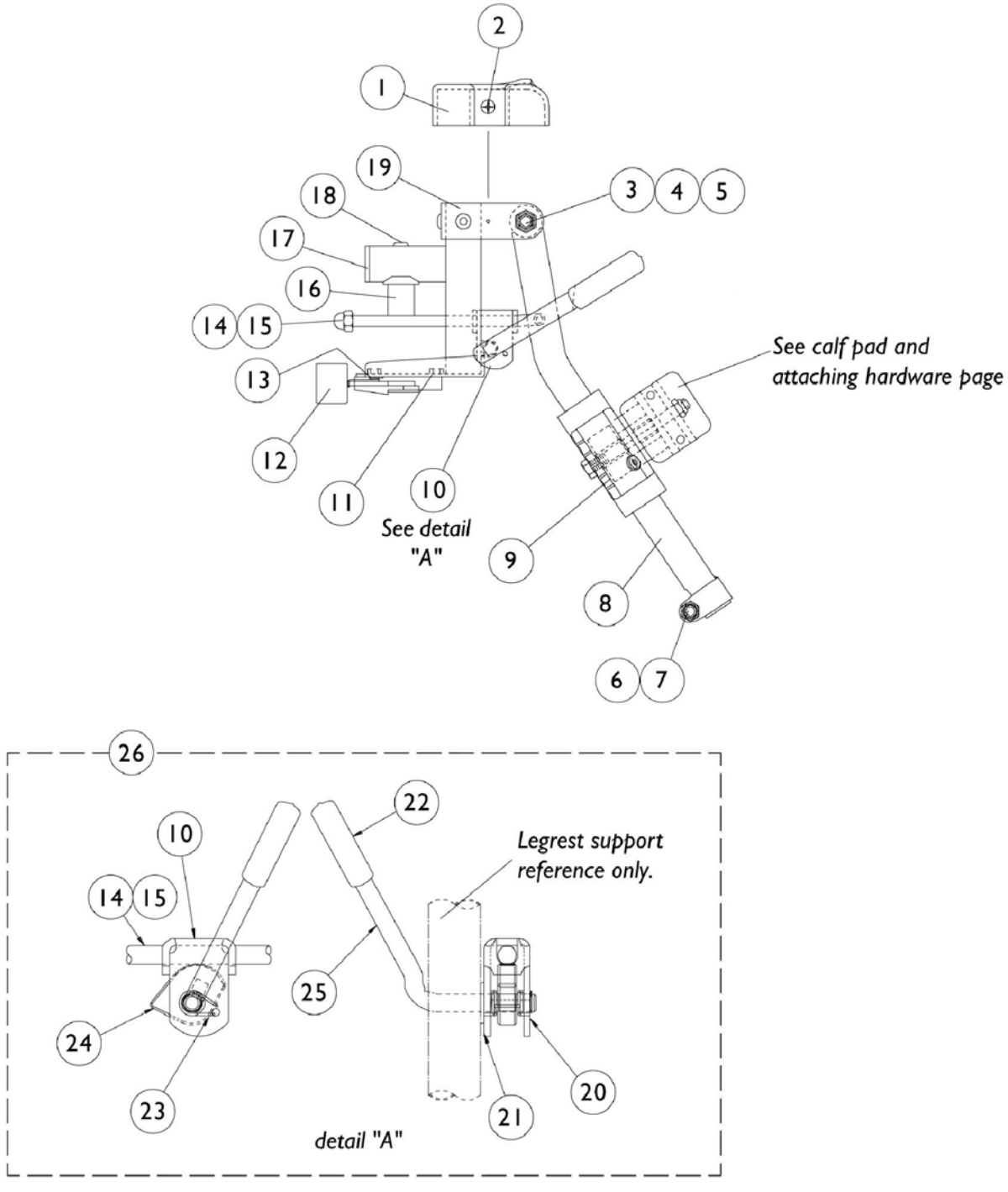
Footrest Support Assemblies
(Sector Style)

NOTE: A - See Image "A".
B - See Image "B".
C - See Image "C".
D - See Image "D".
E - See Image "E".
F - See Image "F".
G - Specify frame color when ordering.
H - Not Shown

AT5544 Legrests Supports

Sector Style
12" - 24" Chairs

1045291 - Right 1045292 - Left

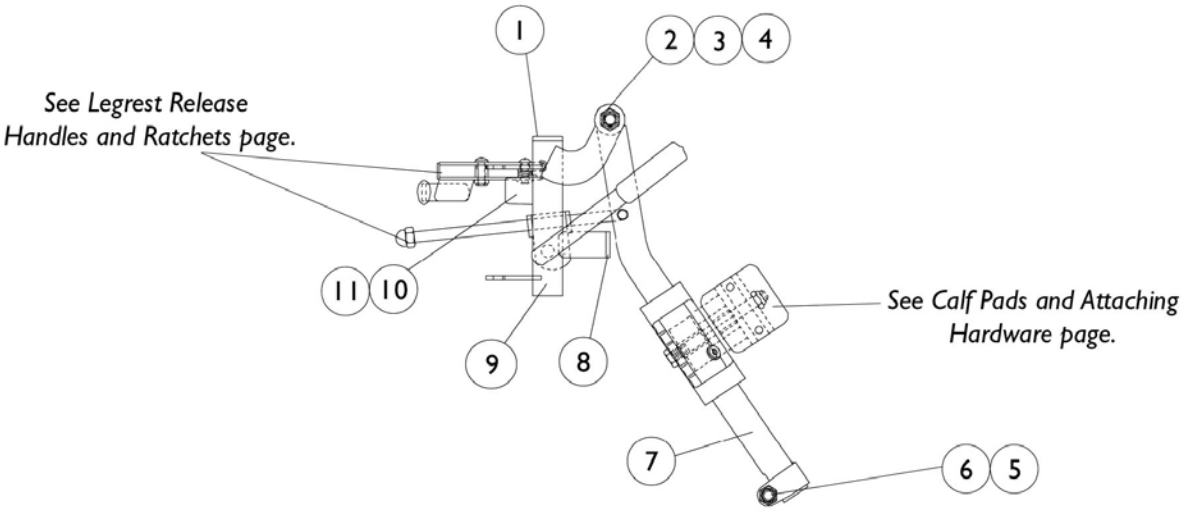


AT5544 Legrests Supports

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1017187	Cover, Top	1	1
2		1028529	Screw, Phillips Pan Head (#8-32 x 3/8")	1	2
3		40363X000	Hex Nut (3/8"-16)	1	1
4		1058636	Washer, Nylon (25/64 x 7/8 x 1/32")	1	2
5		11919X000	Screw, Truss Head (3/8-16 x 1-1/2")	1	1
6		7930330	Locknut (5/16-24)	1	3
7		1026030	Screw, Lug (5/16-24 x 1-3/8")	1	1
8		1043556	Tube, Elevating Support (Black) - Right	1	1
8		1043557	Tube, Elevating Support (Black) - Left	1	1
8	A	8881048851	Tube, Elevating Support (Color) - Right	1	1
8	A	8881048852	Tube, Elevating Support (Color) - Left	1	1
9		1032266	Bracket, Legrest Pad Mounting, Black	1	1
10		04528X002	Bracket, Release, Chrome	1	1
11		1025451	Screw, Slotted Hex Washer Head (#10-32 x 5/8")	1	2
12		1025454	Latch Housing - Right	1	1
12		1025455	Latch Housing - Left	1	1
13		7930314	Screw, Slotted Hex Head (#10-32 x 1/2")	1	1
14		42326X001	Bar, Ratchet	1	1
15		7930336	Nut, Acorn (5/16-24)	1	1
16		1017148	Plug, Pivot	1	1
17		1029501	Plug Button, Black (1")	1	1
18		7930301	Package, Button Head Cap Screws (1/4-20 x 1-3/4")	1	1
19	A	8881045289	Bracket, Legrest Support, Color - Right	1	1
19	A	8881045290	Bracket, Legrest Support, Color - Left	1	1
20		1040831	Snap Ring	1	1
21		7930310	Washer, Nylon (5/16 x 11/16 x 1/16")	1	1
22		1040060	Tip, Black Plastic	1	1
23		1037485	Spring, Release	1	1
24		1037125	Cam, Legrest	1	1
25		1037126	Handle, Release	1	1
26		1096974	Kit, Ratchet Elevating Legrest	2	1
	B	1096943	Instruction Sheet, Ratchet Kit	1	1
	B	8881045291	Legrest Support Assembly, Sector, Color - Right	1	1
	B	8881045292	Legrest Support Assembly, Sector, Color - Left	1	1

NOTE: A - Specify color when ordering.
B - Not Shown

P904A Legrest Supports (Pin Style)
Color 14" to 24"

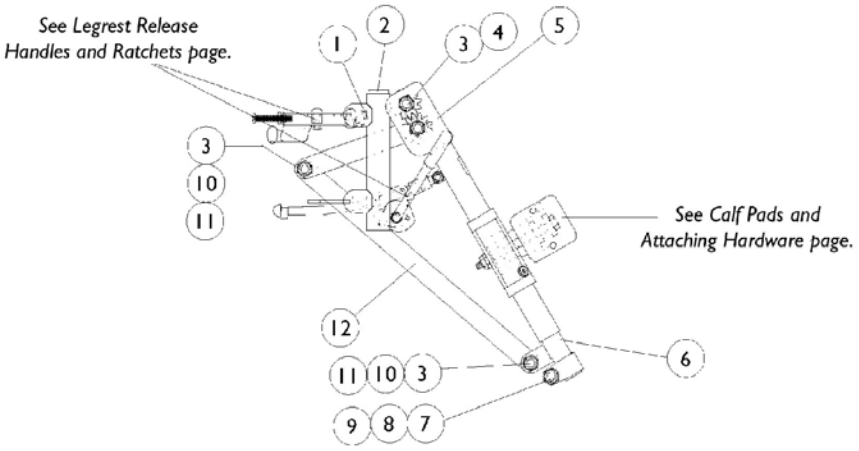


P904A Legrest Supports (Pin Style)
Color 14" to 24"

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1027095	Plug Button, Black (7/8")	1	1
2		11919X000	Screw, Truss Head (3/8-16 x 1-1/2")	1	1
3		1058636	Washer, Nylon (25/64 x 7/8 x 1/32")	2	2
4		40363X000	Hex Nut (3/8"-16)	1	1
5		7930330	Locknut (5/16-24)	3	3
6		1026030	Screw, Lug (5/16-24 x 1-3/8")	1	1
7	A	8881048851	Tube, Elevating Support (Color) - Right	1	1
7	A	8881048852	Tube, Elevating Support (Color) - Left	1	1
8		1027097	Plug Button, Black (3/4")	1	1
9	A	8881058664	Tube, Legrest Support (Color) - Right	1	1
9	A	8881058665	Tube, Legrest Support (Color) - Left	1	1
10		1022874	Bumper	1	1
11		1030979	Screw, Phillips Pan Head Tap (#10-32 x 3/4")	1	1
	A,B	8881058646	Legrest Support Assembly w/o Pad, Adult, Color - Right	1	1
	A,B	8881058647	Legrest Support Assembly w/o Pad, Adult, Color - Left	1	1

NOTE: A - Specify frame color when ordering.
B - Not Shown

PAS4A/PAL4A Articulating Legrests (Pin Style)
Chrome 14" to 24"

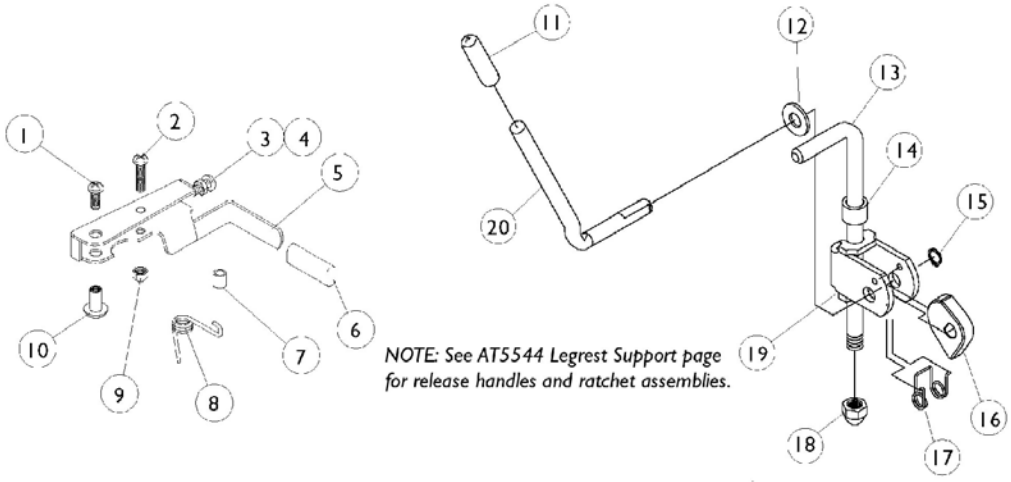


PAS4A/PAL4A Articulating Legrests (Pin Style)
Chrome 14" to 24"

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1058478	Tube, Legrest Support, Right	1	1
1		1058479	Tube, Legrest Support, Left	1	1
2		1027097	Plug Button, Black (3/4")	1	1
3		40363X000	Hex Nut (3/8"-16)	3	3
4		1022854	Screw, Slotted Head Shoulder (1/2 x 1-1/8")	1	1
5		1022877	Tube Support and Drive Link - Right	1	1
5		1022878	Tube Support and Drive Link - Left	1	1
6		1022848	Slide Tube, Articulating (Chrome) - Right	1	1
6		1022849	Slide Tube, Articulating (Chrome) - Left	1	1
7		1027377	Washer (#20)	1	1
8		7930363	Package, Locknut (5/16"-24)	1	1
9		11232X009	Screw, Lug (5/16-24 x 1-3/8")	1	1
10		1022866	Screw, Socket Button Head (3/8-16 x 3/4")	2	2
11		1049527	Washer, Nylon (3/8 x 3/4 x 1/16")	2	2
12		1022846	Bar, Link, Chrome	1	1
	A	1058482	Legrest Support Assembly, Articulating, Adult, Chrome - Left	1	1
	A	1058483	Legrest Support Assembly, Articulating, Adult, Chrome - Left	1	1

NOTE: A - Not Shown

Legrest Release Handles and Ratchets

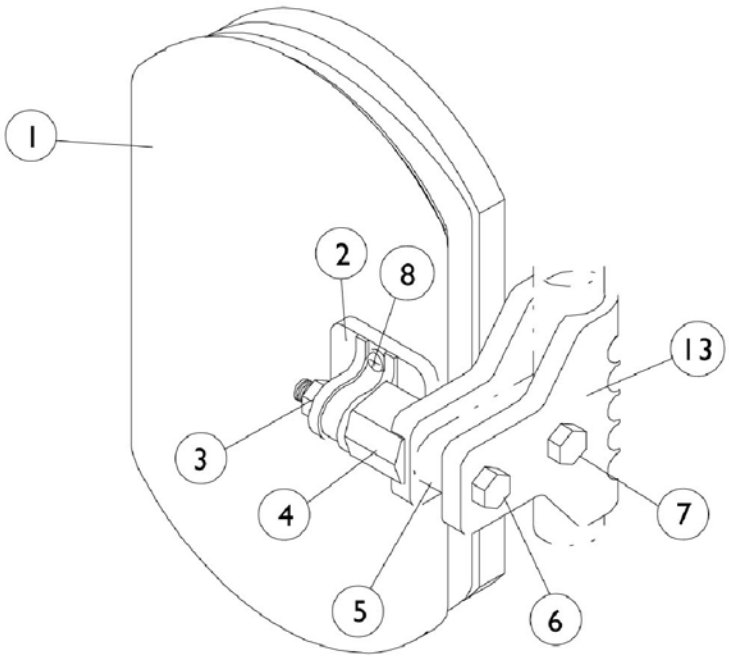


Legrest Release Handles and Ratchets

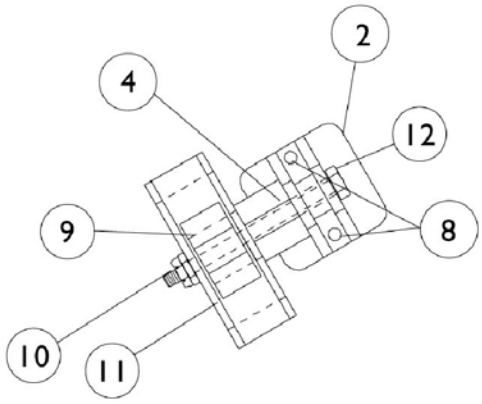
Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		7930328	Screw, Phillips Pan Head (#10-32 x 11/16")	1	1
2		7930335	Screw, Phillips Pan Head (#10-32 x 1/2")	1	1
3	A	1026107	Screw, Phillips Pan Head (#10-32 x 1-3/8")	1	1
4	A	1028485-NLA	Nut, Hex (#10-32)	1	1
5		1035539	Handle, Release (Black) - Right	1	1
5		1035540	Handle, Release (Black) - Left	1	1
6	A	1006490	Tip, Plastic, Black	1	1
7		47565X057	Bushing (7/32 x 3/8 x 11/32")	1	1
8		1028707	Spring, Release - Right	1	1
8		1028708	Spring, Release - Left	1	1
9		7930332	Locknut, High Profile (#10-32)	1	1
10		1028846	Rivnut (#10-32)	1	1
11		1040060	Tip, Black Plastic	1	1
12		7930310	Washer, Nylon (5/16 x 11/16 x 1/16")	1	1
13	B	42326X004	Bar, Ratchet - Right/Left	1	1
13	C	1023811	Bar, Ratchet - Right	1	1
13	C	1023812	Bar, Ratchet - Left	1	1
14		47328X003	Bushing, Pivot (5/16 x 7/16 x 7/8")	1	1
15		1040831	Snap Ring	1	1
16		1037125	Cam, Legrest	1	1
17		1037485	Spring, Release	1	1
18		7930336	Nut, Acorn (5/16-24)	1	1
19		04528X002	Bracket, Release, Chrome	1	1
20		1037126	Handle, Release	1	1

NOTE: A - These items are only required on release handles for chairs built before 10/1/00.
B - 904 Legrest
C - Articulating Legrest

Calf Pads and Attaching Hardware



P904A, AT5544 Legrest.



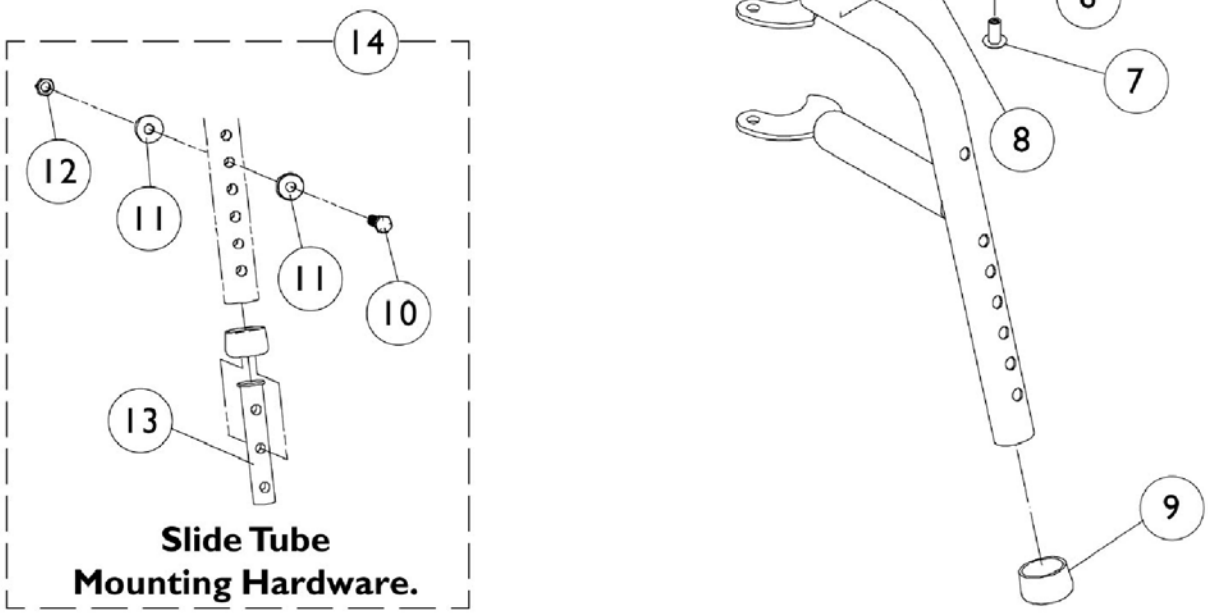
PAS4A/PAL4A
Articulating Legrest

Calf Pads and Attaching Hardware

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	A,B	8881091759	Pad w/Cover and Screws, Legrest Vinyl (Pair)	2	1
1	A,C	8881091764	Pad, Legrest Vinyl - Right/Left	1	1
1		01415X000-NLA	Cover, Legrest Pad	1	1
1	A	88804529X003	Pad, Legrest Vinyl - Right	1	1
1	A	88804529X004	Pad, Legrest Vinyl - Left	1	1
2		04526X019	Plate, Legrest Pad	1	1
3		7930330	Locknut (5/16-24)	1	1
4		1025133	Spacer, Legrest Pad	1	1
5		1032267	Spacer, Legrest Pad Mounting	1	1
6		1037110	Screw, Hex Head (5/16-24 x 3-1/2")	1	1
7		1028514	Screw, Hex Head (5/16-24 x 1-1/2")	1	1
8		1066591	Screws, Phillips Head (#10-32 x 11/16")	2	1
9		48823X008	Spring, Leaf	1	1
10		7930363	Package, Locknut (5/16"-24)	2	2
11		1025104	Bracket, Legrest, Chrome	1	1
12		1014807	Screw, Hex Head (5/16-24 x 3-1/4")	1	1
13		1032266	Bracket, Legrest Pad Mounting, Black	1	1

NOTE: A - Specify upholstery color when ordering.
B - Before 9/5/00
C - After 9/4/00

PW93 Footrest Supports (Pin Style)
Color

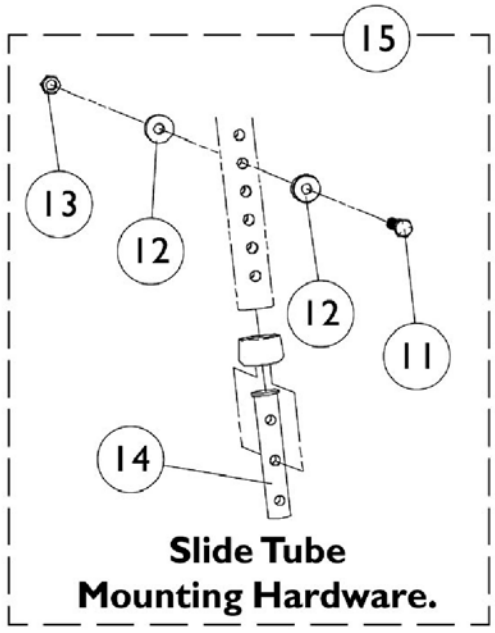


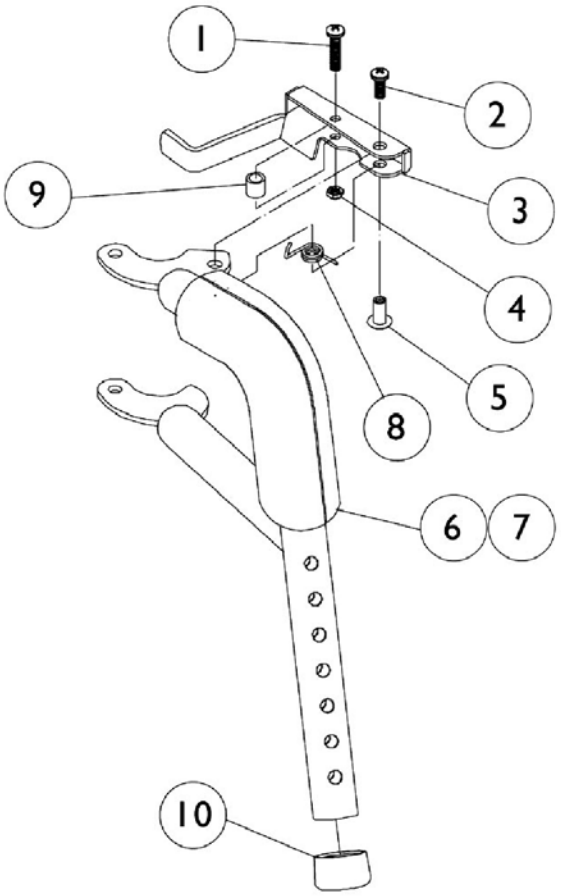
PW93 Footrest Supports (Pin Style)
Color

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1020719	Anti-Rattle, Black	1	1
2		47565X057	Bushing (7/32 x 3/8 x 11/32")	1	1
3		7930328	Screw, Phillips Pan Head (#10-32 x 11/16")	1	1
4		7930335	Screw, Phillips Pan Head (#10-32 x 1/2")	1	1
5		1035539	Handle, Release (Black) - Right	1	1
5		1035540	Handle, Release (Black) - Left	1	1
6		7930332	Locknut, High Profile (#10-32)	1	1
7		1028846	Rivnut (#10-32)	1	1
8		1028707	Spring, Release - Right	1	1
8		1028708	Spring, Release - Left	1	1
9		15680X012	Collar, Anti-Rattle (7/8")	1	1
10		1070759	Screw, Hex Head (1/4-20 x 1-1/2")	1	1
11		1026099	Spacer, Coved (1/4 x 11/16 x 1/2")	1	2
12		7930338	Nut, Acorn (1/4-20)	1	1
13		1020534	Insert, Threaded	1	1
14	C	1074143	Kit, Slide Tube Mounting Hardware	1	1
	A,B	8881070776	Footrest Support Assembly, Adult, Color - Right	1	1
	A,B	8881070777	Footrest Support Assembly, Adult, Color - Left	1	1

NOTE: A - Not Shown
B - Specify color when ordering
C - Per Side

PW93ST Footrest Supports
(Pin Style)
Color



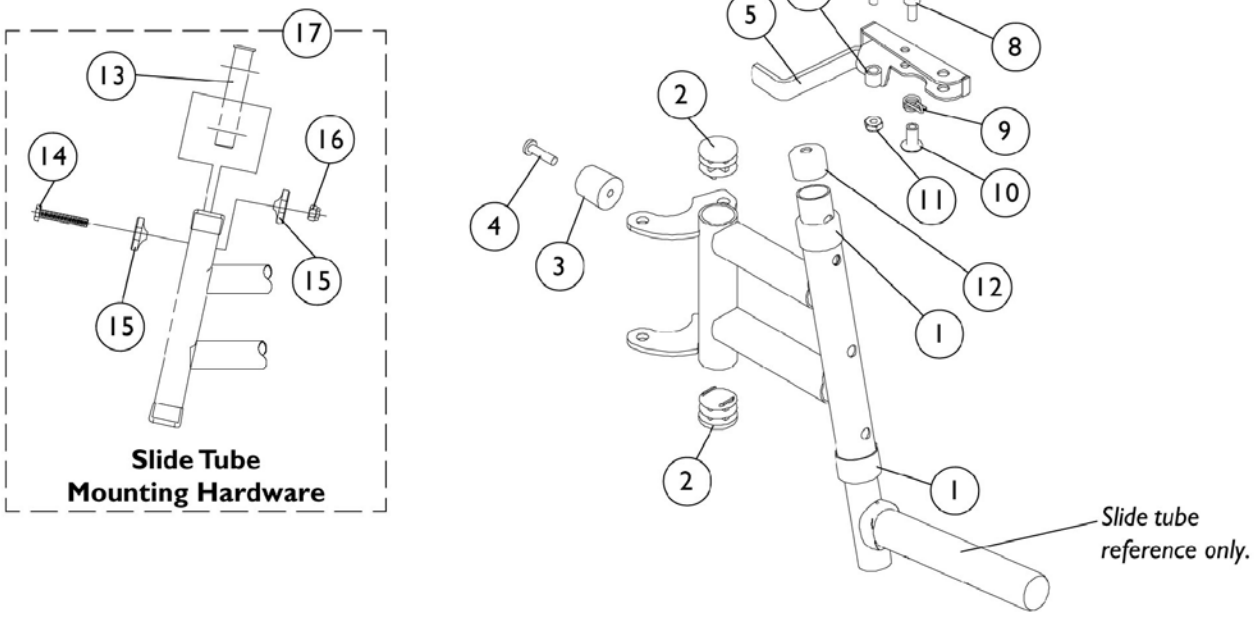


PW93ST Footrest Supports
(Pin Style)
Color

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		7930328	Screw, Phillips Pan Head (#10-32 x 11/16")	1	1
2		7930335	Screw, Phillips Pan Head (#10-32 x 1/2")	1	1
3		1035539	Handle, Release (Black) - Right	1	1
3		1035540	Handle, Release (Black) - Left	1	1
	A,B	1026107	Screw, Phillips Pan Head (#10-32 x 1-3/8")	1	1
	A,B	1028485-NLA	Nut, Hex (#10-32)	1	1
4		7930332	Locknut, High Profile (#10-32)	1	1
5		1028846	Rivnut (#10-32)	1	1
6		1030434	Cushion, Tubular Foam	1	1
7		1030435	Cover, Foam Cushion	1	1
8		1028707	Spring, Release - Right	1	1
8		1028708	Spring, Release - Left	1	1
9		47565X057	Bushing (7/32 x 3/8 x 11/32")	1	1
	A,B	1006490	Tip, Plastic, Black	1	1
10		15680X012	Collar, Anti-Rattle (7/8")	1	1
11		1070759	Screw, Hex Head (1/4-20 x 1-1/2")	1	1
12		1026099	Spacer, Coved (1/4 x 11/16 x 1/2")	1	2
13		7930338	Nut, Acorn (1/4-20)	1	1
14		1020534	Insert, Threaded	1	1
15		1074143	Kit, Slide Tube Mounting Hardware	1	1
	A,C	8881070784	Footrest Support Assembly, Adult, Color - Right	1	1
	A,C	8881070785	Footrest Support Assembly, Adult, Color - Left	1	1

NOTE: A - Not Shown
B - These items are only on Release Handles for chairs built Before 10/1/00.
C - Specify color when ordering

PW93E Footrest Supports
(Pin Style)
Color

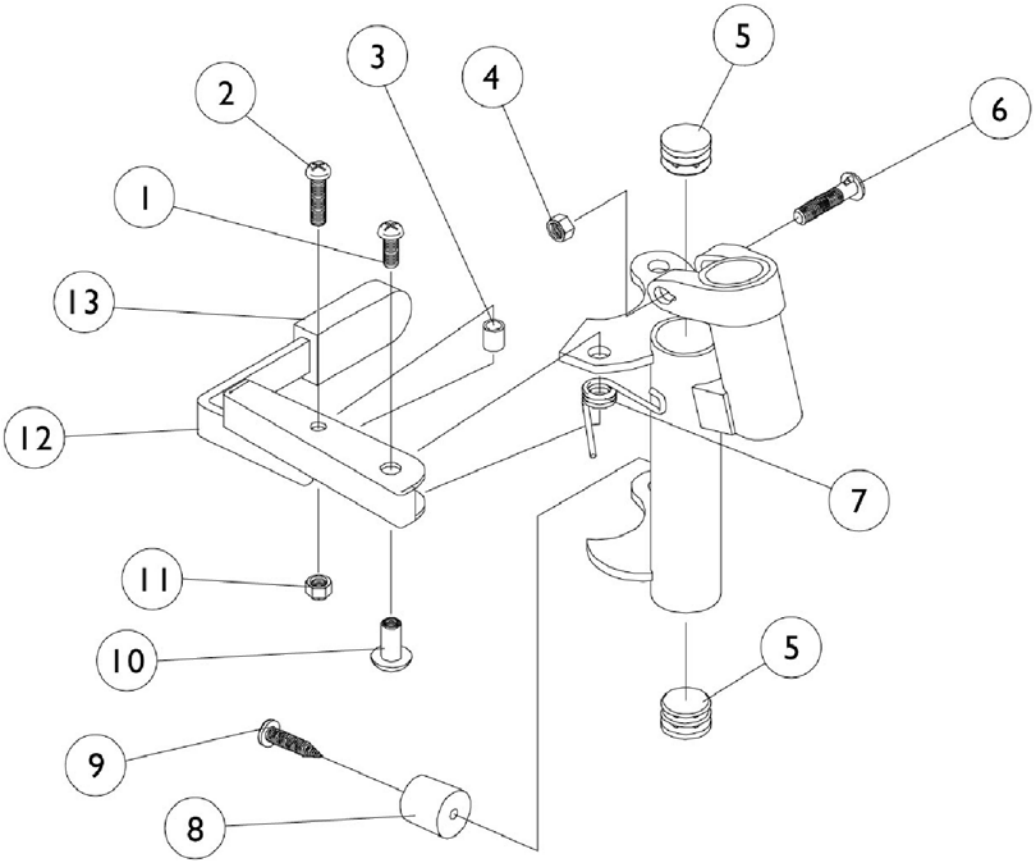


PW93E Footrest Supports
(Pin Style)
Color

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		15680X012	Collar, Anti-Rattle (7/8")	1	2
2		1027095	Plug Button, Black (7/8")	1	2
3		1022874	Bumper	1	1
4		1030979	Screw, Phillips Pan Head Tap (#10-32 x 3/4")	1	1
5		1035539	Handle, Release (Black) - Right	1	1
5		1035540	Handle, Release (Black) - Left	1	1
6		1025716	Screw, Phillips Pan Head (#10-32 x 11/16")	1	1
7		47565X057	Bushing (7/32 x 3/8 x 11/32")	1	1
8		1026114	Screw, Phillips Pan Head (#10-32 x 1/2")	1	1
9		1028707	Spring, Release - Right	1	1
9		1028708	Spring, Release - Left	1	1
10		1028846	Rivnut (#10-32)	1	1
11		1025735	Locknut (#10-32)	1	1
12		1074108	Cap, End Tube (3/4")	1	1
13		1020534	Insert, Threaded	1	1
14		1070759	Screw, Hex Head (1/4-20 x 1-1/2")	1	1
15		1026099	Spacer, Coved (1/4 x 11/16 x 1/2")	1	2
16		1044214	Nut, Hex with Nylon Cap (1/4-20)	1	1
17	C	1074143	Kit, Slide Tube Mounting Hardware	1	1
	A,B	8881070768	Footrest Support Assembly, Adult, Color - Right	1	1
	A,B	8881070769	Footrest Support Assembly, Adult, Color - Left	1	1

NOTE: A - Not Shown
B - Specify color when ordering
C - Per Side

P93M Footrest Supports
(Pin Style)
Color



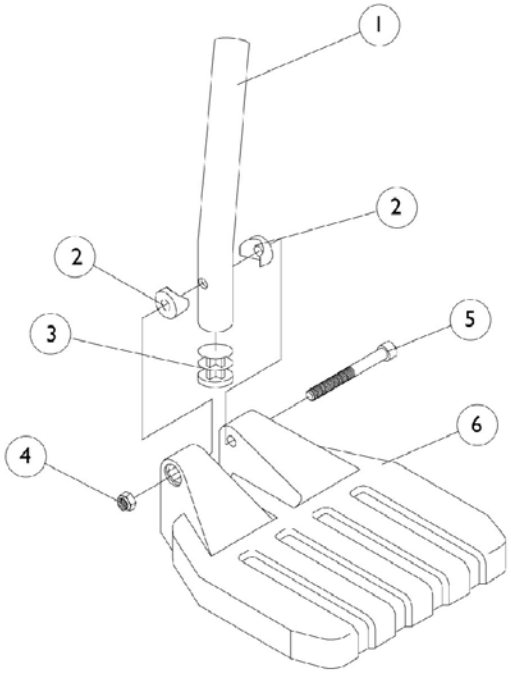
P93M Footrest Supports
(Pin Style)
Color

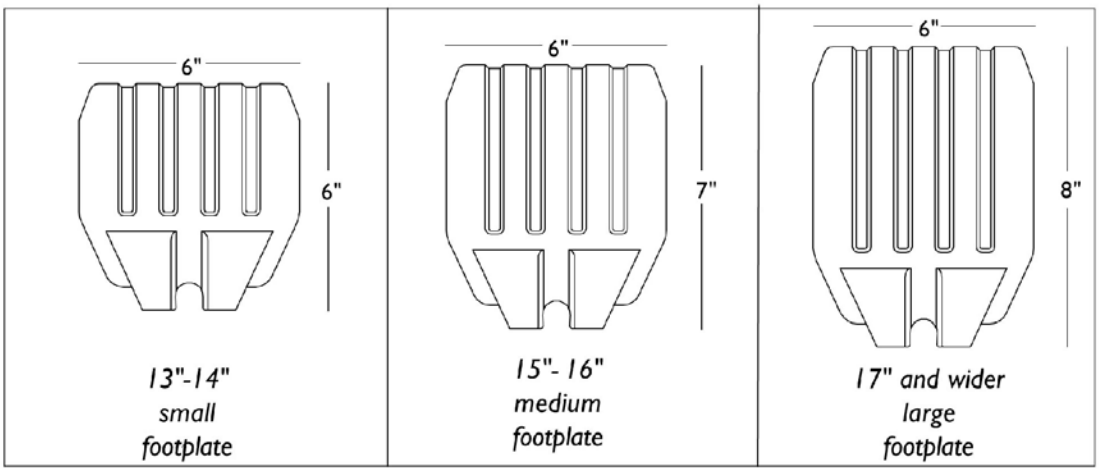
Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		7930359	Screw, Phillips Pan Head (#10-32 x 1/2")	1	1
2		7930360	Screw, Phillips Pan Head (#10-32 x 11/16")	1	1
3		47565X057	Bushing (7/32 x 3/8 x 11/32")	1	1
4		1107321	Nut, Low Cap (5/16"-24)	1	1
5		1027095	Plug Button, Black (7/8")	2	1
6		11232X009	Screw, Lug (5/16-24 x 1-3/8")	1	1
7		1008935	Spring, Release - Right	1	1
7		1008936	Spring, Release - Left	1	1
8		1022874	Bumper	1	1
9		1030979	Screw, Phillips Pan Head Tap (#10-32 x 3/4")	1	1
10		67005X000	Rivnut (#10-32)	1	1
11		7930365	Locknut (#10-32)	1	1
12		1035539	Handle, Release (Black) - Right	1	1
12		1035540	Handle, Release (Black) - Left	1	1
13	A	1006490	Tip, Plastic, Black	1	1
	B,C	8881037836	Footrest Support Assembly, Adult, Color - Right	1	1
	B,C	8881037837	Footrest Support Assembly, Adult, Color - Left	1	1

NOTE: A - Before 10/01/00 only.
B - Not Shown
C - Specify color when ordering

Pivot/ Slide Tube and Composite Footplates

NOTE: Heel loops are not included. See footrest and legrest accessories.
NOTE: For complete pivot/slide tube footplate assemblies, see front riggings reference charts.





Pivot/ Slide Tube and Composite Footplates

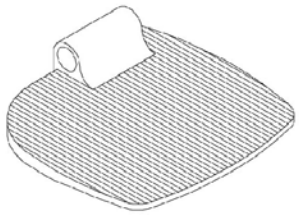
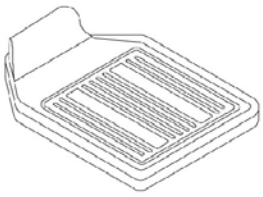
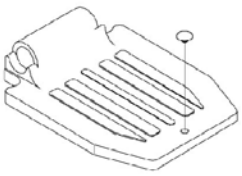
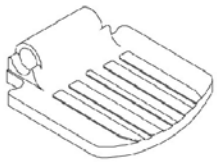
NOTE: Heel loops are not included. See footrest and legrest accessories.
NOTE: For complete pivot/slide tube footplate assemblies, see front riggings reference charts.

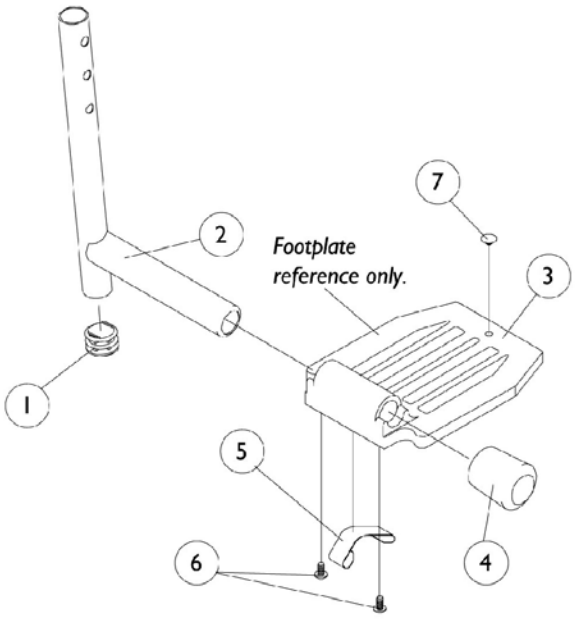
Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1057852	Pivot/Slide Tube, Curved End (9-7/8") (Steel)	1	1
1	D	1057854	Pivot/Slide Tube, Curved End 2" Longer (Steel)	1	1
1	D	1058418	Pivot/Slide Tube, Curved End 4" Longer (Steel)	1	1
2		1025457	Spacer, Coved (1/4 x 3/4 x 11/32")	1	2
3		1027097	Plug Button, Black (3/4")	1	1
4		7930323	Package, Locknut (1/4-20)	1	1
5		7930366	Screw, Socket Head Cap (1/4-20 x 2-1/4")	1	1
6	A	1026879	Footplate, Composite - Small (6" W x 6" L)	1	1
6	B	1026880	Footplate, Composite - Medium (7" W x 6" L)	1	1
6	C	1026881	Footplate, Composite - Large (8" W x 6" L)	1	1

NOTE: A - 6" W x 6" L (13-14" Wide Chairs) and (15-17" Wide for 70STAPER and PW93ST only).
B - 7" W x 6" L (15-16" Wide Chairs) and (18-19" Wide for 70STAPER and PW93ST only).
C - 8" W x 6" L (17" and Wider Chairs) and (20" and Wider for 70STAPER and PW93ST only).
D - ALPT Option

Pivot/ Slide Tube and Standard Aluminum, 1450, 1350 Footplates

NOTE: Heel loops are not included. See footrest and legrest accessories.
NOTE: For complete pivot/slide tube footplate assemblies, see front riggings reference charts.

			
1350 Extra Large	1450 Deluxe Aluminum	16" to 24" Wide Standard Alum.	14" Wide Standard Alum.



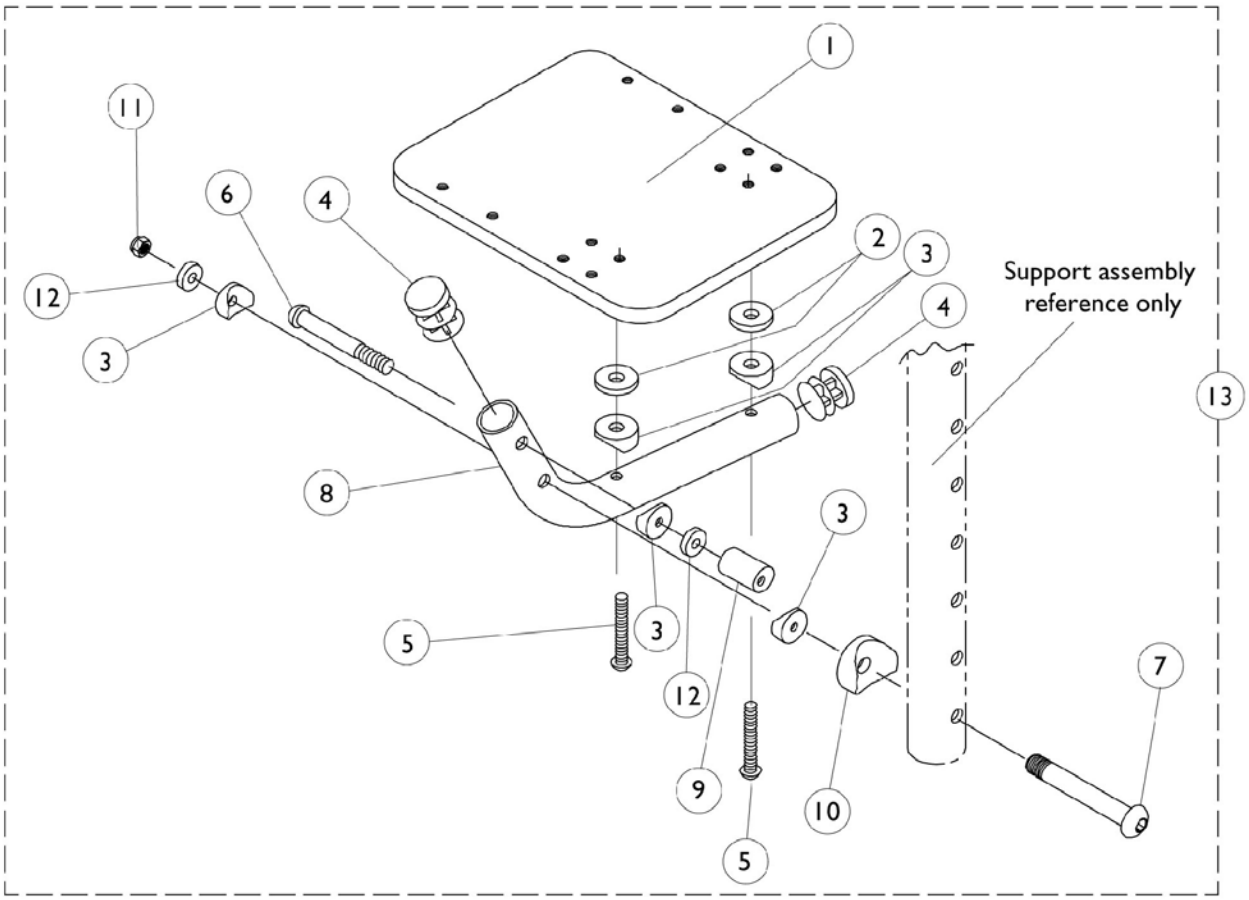
Pivot/ Slide Tube and Standard Aluminum, 1450, 1350 Footplates

NOTE: Heel loops are not included. See footrest and legrest accessories.
NOTE: For complete pivot/slide tube footplate assemblies, see front riggings reference charts.

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1027097	Plug Button, Black (3/4")	1	1
2	H	1048834	Pivot/Slide Tube with Plug Button	1	1
2	H	1098906	Pivot/Slide Tube with Plug Button - 2" Longer	1	1
2	H	1086482	Pivot/Slide Tube with Plug Button - 4" Longer	1	1
2	E,I	1041526	Pivot/Slide Tube with Plug Button (Steel)	1	1
2	E,J	1041527	Pivot/Slide Tube with Plug Button (Black)	1	1
2	K	1100568	Pivot/Slide Tube with Plug Button (Black)	1	1
2	K	1100569	Pivot/Slide Tube with Plug Button Extra Large and Standard Aluminium - 2" Longer	1	1
2	C,E,K	1100570	Pivot/Slide Tube with Plug Button - 4" Longer	1	1
2	D,K,L	1100571	Pivot/Slide Tube with Plug Button - Deluxe	1	1
2	J	1041525	Pivot/Slide Tube with Plug Button - Deluxe Aluminum	1	1
3	A,C	44200X059	Footplate, Aluminum - Small (6-3/4" W x 6" L)	1	1
3	B,C	44200X027	Footplate, Aluminum - Medium (7-3/4" W x 6" L)	1	1
3		1043659	Footplate, Aluminum - Deluxe (8" W x 5-3/4" L) - Right	1	1
3		1043660	Footplate, Aluminum - Deluxe (8" W x 5-3/4" L) - Left	1	1
3		44200X025	Footplate, Aluminum - Extra Large (8" W x 8-1/2" L) - Right	1	1
3		44200X026	Footplate, Aluminum - Extra Large (8" W x 8-1/2" L) - Left	1	1
4	C	1016346	Cap, Tube End (7/8")	1	1
4	E	1027095	Plug Button, Black (7/8")	1	1
5	C,F	1006981	Spring, Leaf	1	2
5	D,F	1036120	Spring	1	2
5	E	1036123	Spring, Leaf	1	1
6	G	7930354	Package, Phillips Head Screw (#8-32 x 3/8")	1	2
7		1070168	Push Plug, Footplate	1	1

NOTE:
A - 14"-15" wide chairs
B - 16" & wider
C - Standard Aluminium Footplate
D - Deluxe Footplate
E - Extra Large Footplate
F - Deluxe (Takes 2 Per Side)
G - Deluxe (Takes 1)
H - 60 MFX, AT 5544, 60, 70NHD, PW93, and PW93E
I - PAL4
J - P93M
K - P904
L - ATT5544

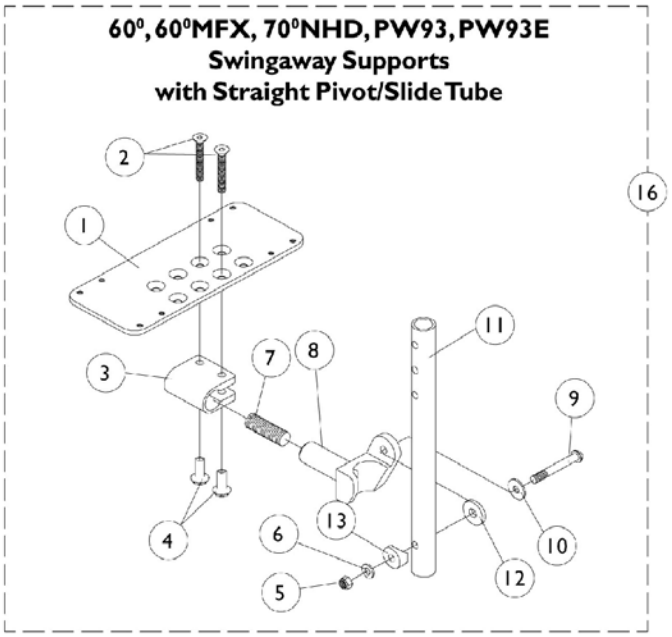
AT5043 Flip-Up Footplates
70° MFX and 90° Swingaway Supports

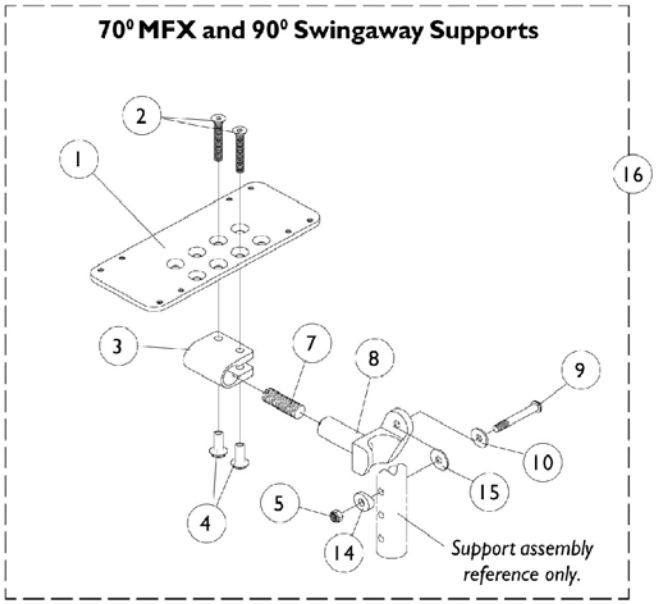


AT5043 Flip-Up Footplates
70° MFX and 90° Swingaway Supports

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1044082	Footplate	1	1
2		1029454	Washer, Nylon (3/16 x 3/4 x 5/32")	1	2
3		1025457	Spacer, Coved (1/4 x 3/4 x 11/32")	1	5
4		1027097	Plug Button, Black (3/4")	1	2
5		1029464	Screw, Socket Button Head (#10-32 x 1-1/4")	1	2
6		1008495	Screw, Socket Button Head (1/4-20 x 1-1/2")	1	1
7		1023967	Screw, Socket Button Head (1/4-20 x 2-5/8")	1	1
8		1029428	Tube, Footrest	1	1
9		1028417	Cam, Adjustment	1	1
10		40157X020	Spacer, Coved (1/4 x 1 x 9/16")	1	1
11		7930333	Locknut (1/4-20)	1	1
12		1018739	Washer (1/4 x 5/8 x 3/32")	1	2
13		1029434	Flip-Up Footplate Assembly -Right	1	1
13		1029435	Flip-Up Footplate Assembly -Left	1	1

AT5543 Adjustable Angle Footplates
60°, 60° MFX, 70° NHD, 70° MFX, PW93, PW93E, & 90° Swingaway Supports





AT5543 Adjustable Angle Footplates
60°, 60° MFX, 70° NHD, 70° MFX, PW93, PW93E, & 90° Swingaway Supports

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	A	1060426	Footplate, Adjustable Angle - Medium (4-1/4" W x 8" L)	1	1
1	B	1060427	Footplate, Adjustable Angle - Large (5-1/4" W x 8" L)	1	1
1	C	1062569	Footplate, Adjustable Angle - X-Large (6-1/4" W x 8" L)	1	1
2		1029545	Screw, Socket Head Cap (1/4-20 x 3/4")	1	2
3		1058517	Clamp, Footplate	1	1
4		1082686	Nut, Hex Head (1/4-20 x 11/16")	1	2
5		7930333	Locknut (1/4-20)	1	1
6		1026907	Washer (1/4 x 1/2 x 1/16")	1	1
7		1048816	Screw, Nylon Adjustment (1/2-13 x 7/8")	1	1
8		1052102	Hinge, Footplate - Right	1	1
8		1052103	Hinge, Footplate - Left	1	1
9		7930321	Screw, Socket Button Head (1/4-20 x 1-7/8")	1	1
10		1026900	Washer (1/4 x 23/32 x 1/16")	1	1
11		1057855	Pivot/Slide Tube, Straight (9-7/8" Long - Steel)	1	1
11		1057856	Pivot/Slide Tube, Straight (11-7/8" Long - Steel)	1	1
12		7930313	Washer, Nylon (5/16 x 7/8 x 1/8")	1	1
13		1025457	Spacer, Coved (1/4 x 3/4 x 11/32")	1	1
14		1026099	Spacer, Coved (1/4 x 11/16 x 1/2")	1	1
15		1036435	Washer, Nylon (1/4 x 7/8 x 1/32")	1	1
16		See Chart	#16 Pivot/ Slide Tube with Footplate Assemblies	1	1

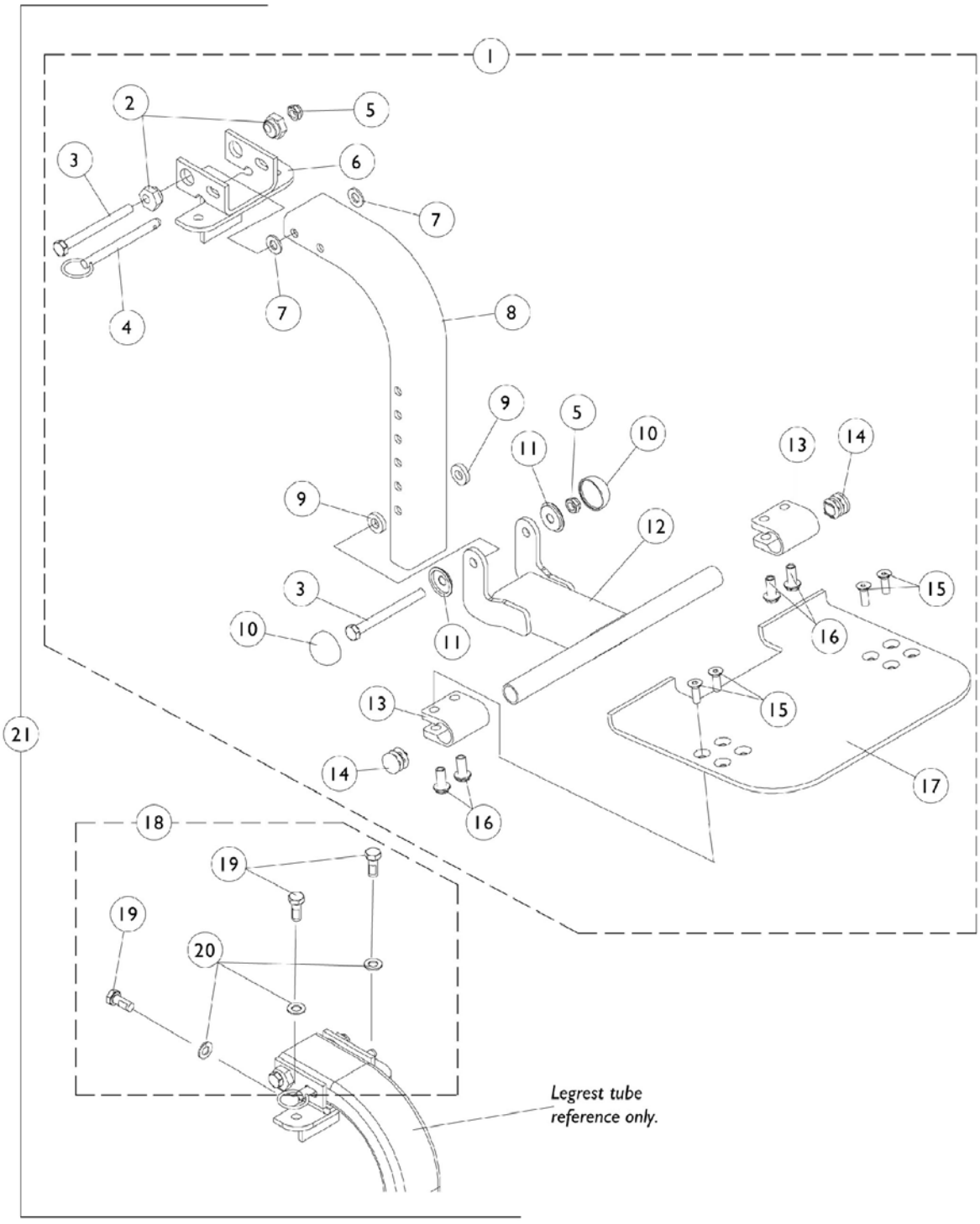
NOTE: A - For 12-13" wide chairs
B - For 14-15" wide chairs
C - For 16" and wider chairs

Item #16 Pivot/ Slide Tube with Footplate Assemblies

Rigging Type	Side	12"-13" W 4-1/4" Medium Fooplate	14-15" W 5-1/4" Large Footplate	16" and Wider 6-1/4" X- Large Footplate
90 and 70MFX	Right	1060436	1060438	1062570
	Left	1060437	1060439	1062571
60HD, 60MFX, 70NHD, PW93, PW93E,	Right	N/A	1060444	1062756
	Left	N/A	1060445	1062757
60HD, 60MFX, 70NHD, PW93, PW93E, 2" Longer Slide Tube	Right	N/A	1062758	1062760
	Left	N/A	1062759	1062761

AT5543 Adjustable Angle Footplates
60°, 60° MFX, 70° NHD, 70° MFX, PW93, PW93E, & 90° Swingaway Supports

90 Degree One Piece Footboard Assembly



90 Degree One Piece Footboard Assembly

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	A	1094014	Footboard Assembly, 90° One Piece, 14" Wide Thru 16" Wide	1	1
1	A	1094015	Footboard Assembly, 90° One Piece, 17" Wide Thru 24" Wide	1	1
2		1091547	Cam, Bracket Upper Mounting	1	2
3		1025705	Screw, Hex Head (5/16-24 x 3-1/4")	1	1
4		1089296	Pin, Detent (5/16 x 3")	1	1
5		7930330	Locknut (5/16-24)	1	2
6		1090552	Bracket, Upper Mounting	1	1
7		1026032	Washer, Nylon (11/32 x 11/16 x 1/16")	1	2
8		1089300	Tube, Legrest	1	1
9		1074210	Washer, Nylon (23/64 x 3/4 x 5/32")	1	2
10		1028835	Cap, Hub (Black)	1	2
11		1028491	Washer, Caplugs (11/32" I.D. x 1" O.D.)	1	2
12		1090551	Bracket, Footboard Pivot, Black	1	1
13		1058517	Clamp, Footplate	1	2
14		1027097	Plug Button, Black (3/4")	1	2
15		1029545	Screw, Socket Head Cap (1/4-20 x 3/4")	1	4
16		1082686	Nut, Hex Head (1/4-20 x 11/16")	1	4
17		1090553	90° One Piece Footboard, 14" Wide Thru 16" Wide	1	1
17		1090554	90° One Piece Footboard, 17" Wide Thru 24" Wide	1	1
18	B	1092914	Hardware, Mounting, 90° One Piece Footboard	1	1
19		1039860	Screw, Hex Head Cap with Patch (5/16-18 x 3/4")	1	3
20		1025704	Washer, Flat (5/16 x 5/8 x 1/16")	1	3
21	C	1095356	Footboard Assembly Kit, 90° One Piece, 14" Wide Thru 16" Wide	1	1
21	C	1095357	Footboard Assembly Kit, 90° One Piece, 17" Wide Thru 24" Wide	1	1
	D	1094558	Instruction Sheet, 90° One Piece Footboard Assembly	1	1

NOTE: A - Includes Items 2-17.
B - Includes Items 19 and 20.
C - Includes Items 1, 18 and Instruction Sheet.
D - Not Shown

NOTE: When converting to a 90° one piece footboard assembly that was not originally ordered with a chair, a notched front shroud to give legrest tube clearance is required. Notched front shrouds became standard on all chairs after 2/17/00. See shroud color conversion kits for chairs manufactured before 2/18/00. Seat pan attaching hardware (part # 1094381) must be ordered as well.

Footrest and Legrest Accessories

Footplate Type	Chair Width	Heel Loop Single #	Heel Loop Pair #	Heel Loop w/ Ankle Strap Single # Rt.	Heel Loop w/ Ankle Strap Single # Lt.	Heel Loop w/ Ankle Strap Pair #	Attaching Hardware Pair #
Composite Small (1651)	12-14" W or 15-17" W Tapered	1028412	1035912	1035908	1035909	1035906	1035931
Composite Medium (1651)	15-16" W or 18-19" W Tapered	1017621	1035917	1035919	1035920	1035918	1035931
Composite Large (1651)	17-24" W or 20-24" W Tapered	1017621	1035917	1035932	1035933	1035930	1035931
Standard Aluminum (1650)	14-15" W	1025234	1035905	1035908	1035909	1035906	1035907
Standard Aluminum (1650)	16-24" W	1017621	1035917	1035919	1035920	1035918	1035907
Deluxe Aluminum (1450)	16-24" W	1017621	1035917	1035919	1035920	1035918	1086112
X-Large Aluminum (1350)	14-15" W	1025234	1035905	1035908	1035909	1035906	1055241
X-Large Aluminum (1350)	16-24" W	1017621	1035917	1035919	1035920	1035918	1055241

Footrest and Legrest Accessories

Attaching Hardware Part Numbers

(Less AT5043 and AT5543)

Footplate Type	Part Number	Part Number Consists of
Composite (1651)	1035931	2 each Screw, PPH (1/4-20 x 2-1/4") 2 each Spacer (1/4 x 11/32 x 1-3/4") 2 each Locknut (1/4-20)
Standard Aluminum (1650)	1035907	2 each Screw, PPH (1/4-20 x 2-1/2") 2 each Spacer (1/4 x 11/32 x 1-3/4") 2 each Locknut (1/4-20)
Deluxe Aluminum (1450)	1086112	2 each Screw, PPH (1/4-20 x 2-1/2") 2 each Spacer (1/4 x 11/32 x 1-3/4") 2 each Locknut (1/4-20)
X-Large Aluminum (1350)	1055241	2 each Screw, PPH (1/4-20 x 2-1/4") 2 each Spacer (1/4 x 11/32 x 1-3/4") 2 each Locknut (1/4-20)

Heel Loops/Heel Loops w/ Ankle Straps and Hardware

(For AT5043 and AT5543)

Footplate Type	Part Number	Part Number Consists of
AT5043 Flip-Up and AT5543 Adj. Angle	1038245 Heel Loops w/ Hardware Adjustable Angle Footplate (Pair)	2 each Heel Loops 4 each Screw, SHC (10-32 x 1-1/2") 4 each Spacer (1/4 x 5/16 x 1-3/32") 4 each Washer (3/16 x 7/16 x 1/16")
AT5043 Flip-Up and AT5543 Adj. Angle	1038246 Heel Loops w/ Ankle Straps & Hardware Adjustable Angle Footplate (Pair)	2 each Heel Loops w/ Ankle Straps 4 each Screw, SHC (10-32 x 1-1/2") 4 each Spacer (1/4 x 5/16 x 1-3/32") 4 each Washer (3/16 x 7/16 x 1/16")

Toe Loops (1345) and Attaching Hardware

Footplate Type	Toe Loop w/o Hardware Single #	Toe Loop w/o Hardware Pair #	Attaching Hardware Part Number	Attaching Hardware Consists of
1651, 1650, 1450, 1350, Footplates	04572X025	1037087	1037089	4 each Screw, PPH (10-32 x 7/8") 4 each Washer (1/4 x 3/4 x 3/32") 4 each Locknut (10-32)
AT5043 and AT5543 Footplates	04572X025	1037087	1104749	4 each Screw, PPH (10-32 x 1/2") 4 each Washer (1/4 x 3/4 x 3/32")

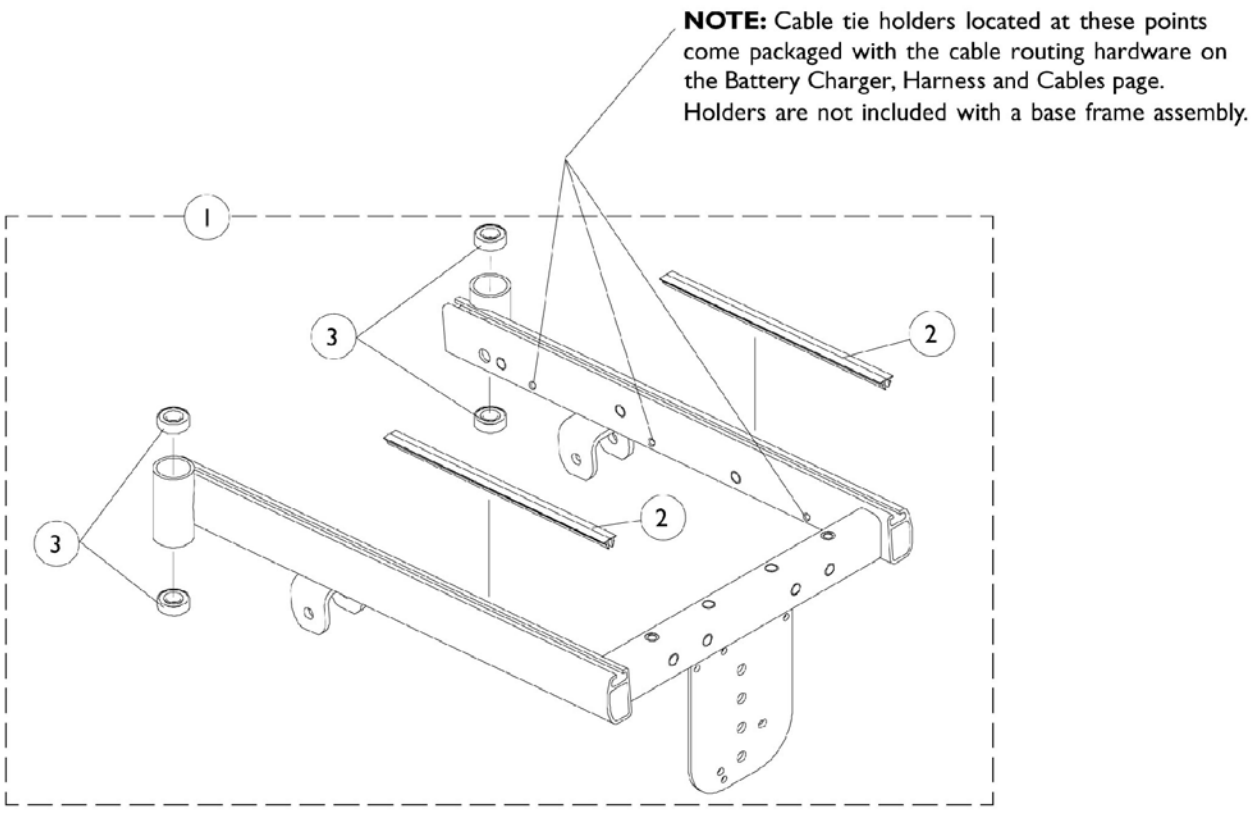
Footrest and Legrest Accessories

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
	A	1032243	Calf Strap w/ Hook and Loop (36" Long)	1	1
	A,C	1032215	H-Strap, 26" Long	1	1
	A,D	1032216	H-Strap, 31" Long	1	1
	A,B	8881038231	Kit, 3" Extension w/ Hardware (Pair)	2	1
	A	1026987	Impact Guard, 8" Long	1	2
	A	See Chart	Attaching Hardware Part Numbers	1	1
	A	See Chart	Heel Loops and Hardware (Less AT5043/AT5543)	1	1
	A	See Chart	Heel Loops/Heel Loops w/ Ankle Straps and Hardware AT5043 and AT5543	1	1
	A	See Chart	Toe Loops and Hardware	1	1

NOTE: A - Not Shown
B - Specify frame color when ordering. See page titled "Frame Finishes and Touch-Up Paints".
C - 14"-16" wide
D - 17"-24" wide

Base Frame

NOTE: "Base Frames are not available as a service part."
Wheelchair must be returned to Invacare when Base Frame needs replacement. Contact Invacare Customer Service for more information.

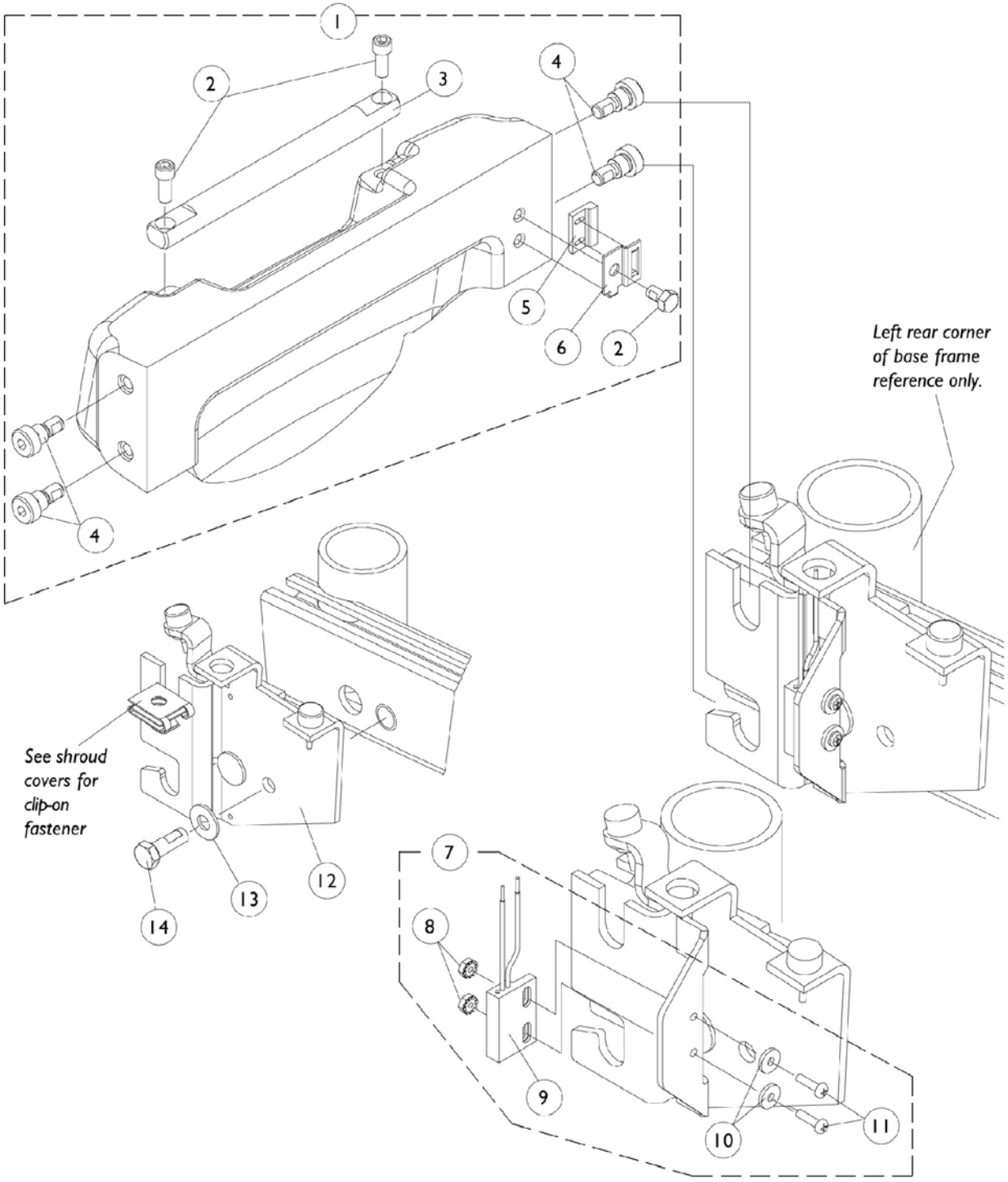

NOTE: Cable tie holders located at these points come packaged with the cable routing hardware on the Battery Charger, Harness and Cables page. Holders are not included with a base frame assembly.
1
2
3
2
3

Base Frame

NOTE: "Base Frames are not available as a service part."
Wheelchair must be returned to Invacare when Base Frame needs replacement. Contact Invacare Customer Service for more information.

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
2		1076586	Kit, Extrusion Cover (Pair) 2 feet each piece	2	1
3		40117X006	Bearing (5/8")	1	4

Counterweight and Sensor Attaching Hardware



Counterweight and Sensor Attaching Hardware

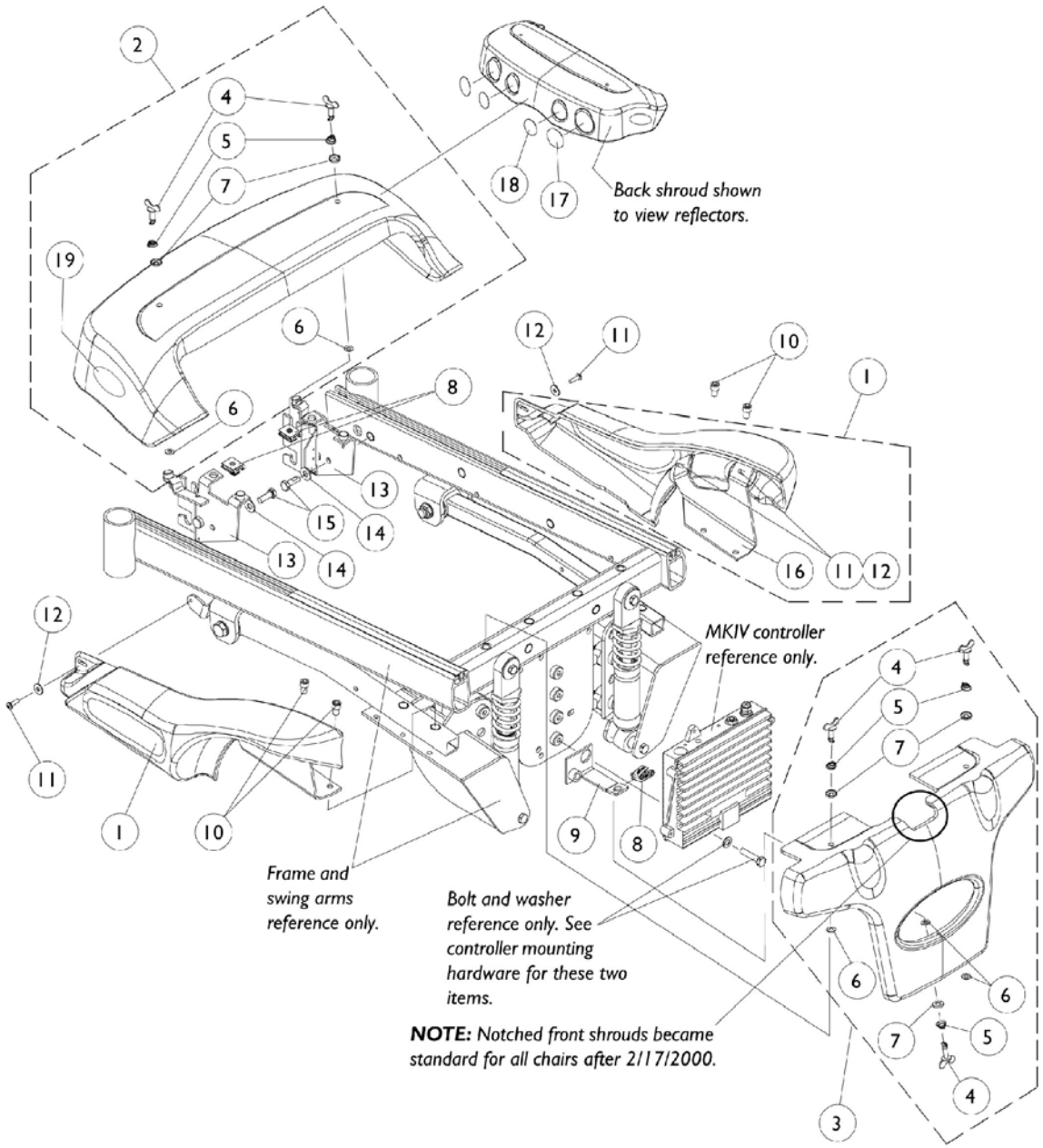
Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	A	1091522	Counter Weight Assembly	1	1
2		1086944	Screw, Socket Head Cap (5/16-18 x 3/4")	1	3
3		1091523	Handle, Counter Weight	1	1
4		1086322	Screw, Socket Head Soulder (1/2 x 3/8")	1	4
5		1024001	Sensor, Actuator Switch	1	1
6		1094385	Bracket, Sensor Attaching	1	1
7	B	1091528	Sensor Cable Attaching Hardware	1	1
8		P0870X000	Nut, Hex Keps (#4-40)	1	2
9		1092913	Cable, Drive Lockout Sensor	1	1
10		16348X007	Rivet Washer (1/8 x 3/8 x 1/16")	1	2
11		1074128	Screw, Phillips Pan Head (#4-40 x 7/16")	1	2
12		1091520	Bracket with Stem Bumpers, Counter Weight Support - Right	1	1
12		1091521	Bracket with Stem Bumpers, Counter Weight Support - Left	1	1
13		1074133	Washer (5/16 x 3/4 x 1/16")	1	2
14		1070462	Screw, Hex Head Cap w/ Patch (5/16-18 x 7/8")	1	2

NOTE: A - Includes Items 2-6.
B - Includes Items 9-11.

Shroud Covers

NOTE: Bright Metallic Blue, Blue-Green Chameleon are NLA and Candy Apple Red changed from a matte finish to a glossy finish after 2/17/2000. Refer to the color conversion packages to choose a new color for chairs manufactured before 2/18/2000.

NOTE: For rear shrouds that are exclusively used with a vent tray assembly kit, see the 2nd Generation Powered Seating System parts book form # 99-150 under Vent Tray Assembly FWD.


Back shroud shown to view reflectors.
MKIV controller reference only.
Frame and swing arms reference only.
Bolt and washer reference only. See controller mounting hardware for these two items.
NOTE: Notched front shrouds became standard for all chairs after 2/17/2000.

Shroud Covers

NOTE: Bright Metallic Blue, Blue-Green Chameleon are NLA and Candy Apple Red changed from a matte finish to a glossy finish after 2/17/2000. Refer to the color conversion packages to choose a new color for chairs manufactured before 2/18/2000.

NOTE: For rear shrouds that are exclusively used with a vent tray assembly kit, see the 2nd Generation Powered Seating System parts book form # 99-150 under Vent Tray Assembly FWD.

Shroud Covers

Shrouds After 2/17/2000

Item Number	Description	Side	Ocean Blue	Emerald Green	Liquid Black	Candy Apple Red
1.	Side Panel w/ Mtg. Bracket	Right	1096848-NLA	1096843	1096853-NLA	1095213
		Left	1096849-NLA	1096844	1096854-NLA	1095214-NLA
2.	Rear Shroud Assembly w/ Reflectors and Invacare Logo Decal		1096847-NLA	1096852-NLA	1096857-NLA	1095218-NLA
3.	Front Shroud Assembly See Note(s) A		1096846-NLA	1096851	1096856-NLA	1095216-NLA
not shown	Color Conversion Package (Includes Items 1-3)		1097125-NLA	1097126-NLA	N/A	1097124-NLA

NOTE: A - Notched front shrouds as shown on page 65 became standard for all chairs after 2/17/2000. Front shrouds without notches were discontinued.

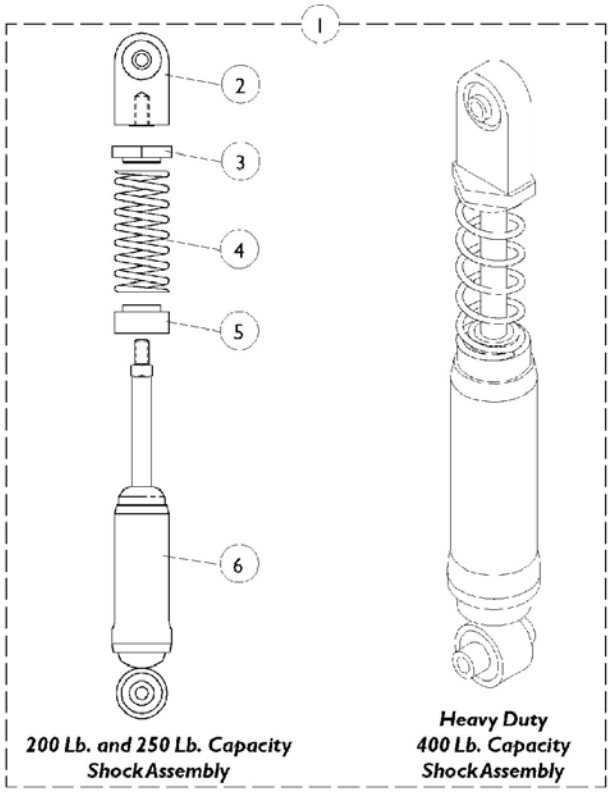
Shroud Covers

NOTE: Bright Metallic Blue, Blue-Green Chameleon are NLA and Candy Apple Red changed from a matte finish to a glossy finish after 2/17/2000. Refer to the color conversion packages to choose a new color for chairs manufactured before 2/18/2000.

NOTE: For rear shrouds that are exclusively used with a vent tray assembly kit, see the 2nd Generation Powered Seating System parts book form # 99-150 under Vent Tray Assembly FWD.

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1-3		See Chart	Shroud Covers	--	--
4		1070574	Stud, Wing Head (1" Long)	1	5
5		1093312	Spring, Torsion Ejector	1	5
6		1070580	Washer, Nylon Retainer (1/4 x 1/2 x 1/32")	1	5
7		1070581	Washer, Nylon Cupped (9/32 x 19/32 x 3/32")	1	5
8		1013497	Fastener, 1/4 Turn Clip-On	1	3
9		1091526	Bracket, Shroud Mounting, Front, Black	1	1
10		1091541	Screw, Socket Head Cap (5/16-18 x 1/2")	1	4
11		1028755	Screw, Phillips Pan Head (#10-32 x 5/8")	1	6
12		1070587	Washer, Flat (3/16 x 5/8 x 1/16")	1	6
13		1091520	Bracket with Stem Bumpers, Counter Weight Support - Right	1	1
13		1091521	Bracket with Stem Bumpers, Counter Weight Support - Left	1	1
14		1074133	Washer (5/16 x 3/4 x 1/16")	1	2
15		1070462	Screw, Hex Head Cap w/ Patch (5/16-18 x 7/8")	1	2
16		1091529	Bracket, Slide Shroud Mounting, Right	1	1
16		1091530	Bracket, Slide Shroud Mounting, Left	1	1
17		1092416-NLA	Reflector, Outside (2-1/8" Wide x 2-1/2" Tall)	1	2
18		1092417-NLA	Reflector, Inside (1-3/4" Wide x 2-1/16" Tall)	1	2
19		1095489	Decal, Invacare 3-D Logo (2-1/2" L)	1	2

Shock Absorbers

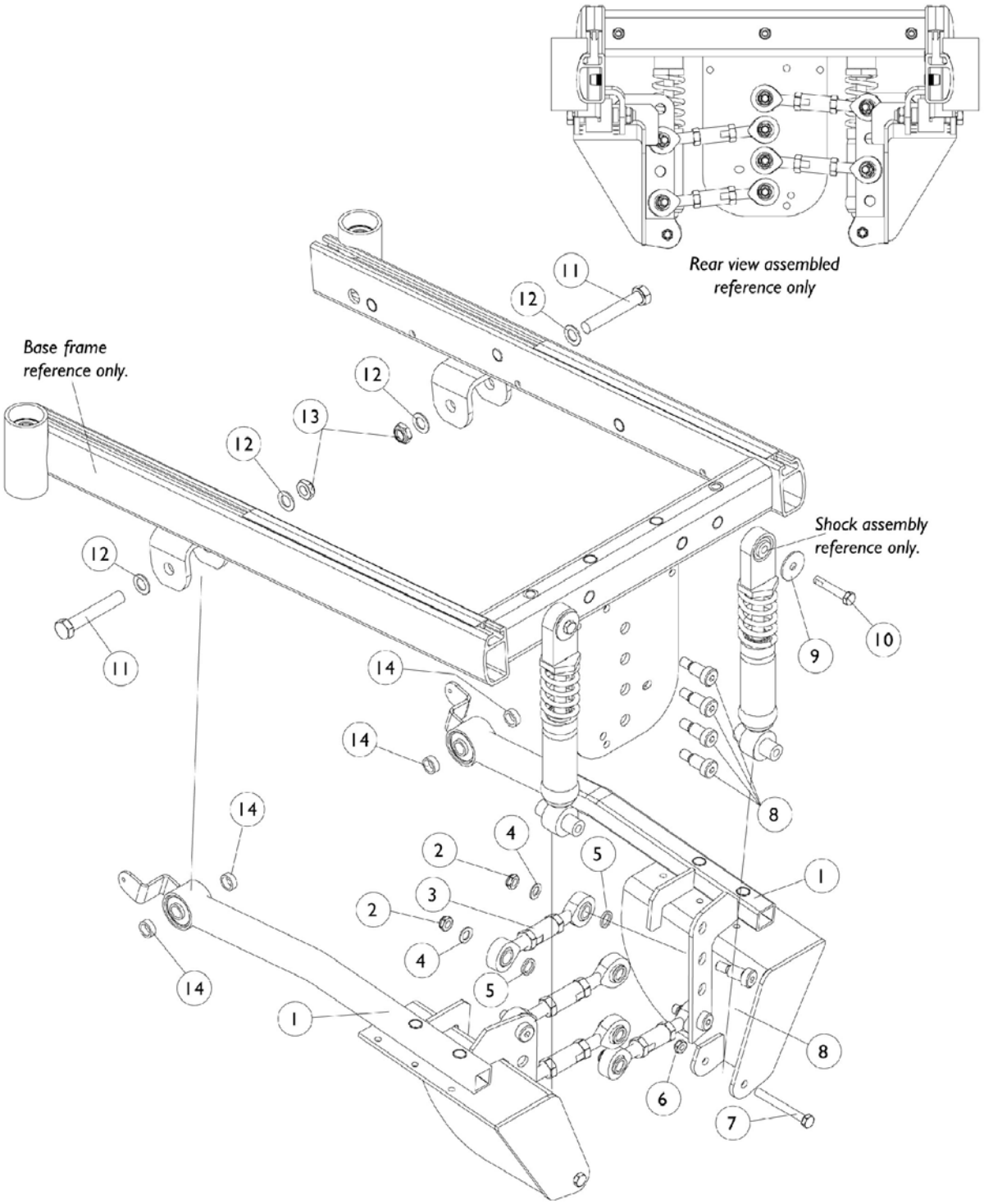


Shock Absorbers

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	B	1041419	Shock Assembly, (RWD) Standard	1	1
1	C	1039660	Shock Assembly, (RWD) Heavy Duty	1	1
1	A,D	1070371	Shock Assembly, (MWD) Heavy Duty	1	1
2		1041431	Shock Eyelet Assembly	1	1
3		1054481	Retainer, Shock, Spring (Upper)	1	1
4	B	1043595	Spring, Shock, Standard	1	1
4	C	1043596	Spring, Shock, Heavy Duty	1	1
5		1042466	Retainer, Shock Spring (Lower)	1	1
6		1039659	Shock Absorber	1	1

NOTE: A - Due to spring compression, the heavy duty shock absorber is not saleable as individual components.
B - Junior, 200 pound capacity
C - 250 pound capacity
D - 400 pound capacity

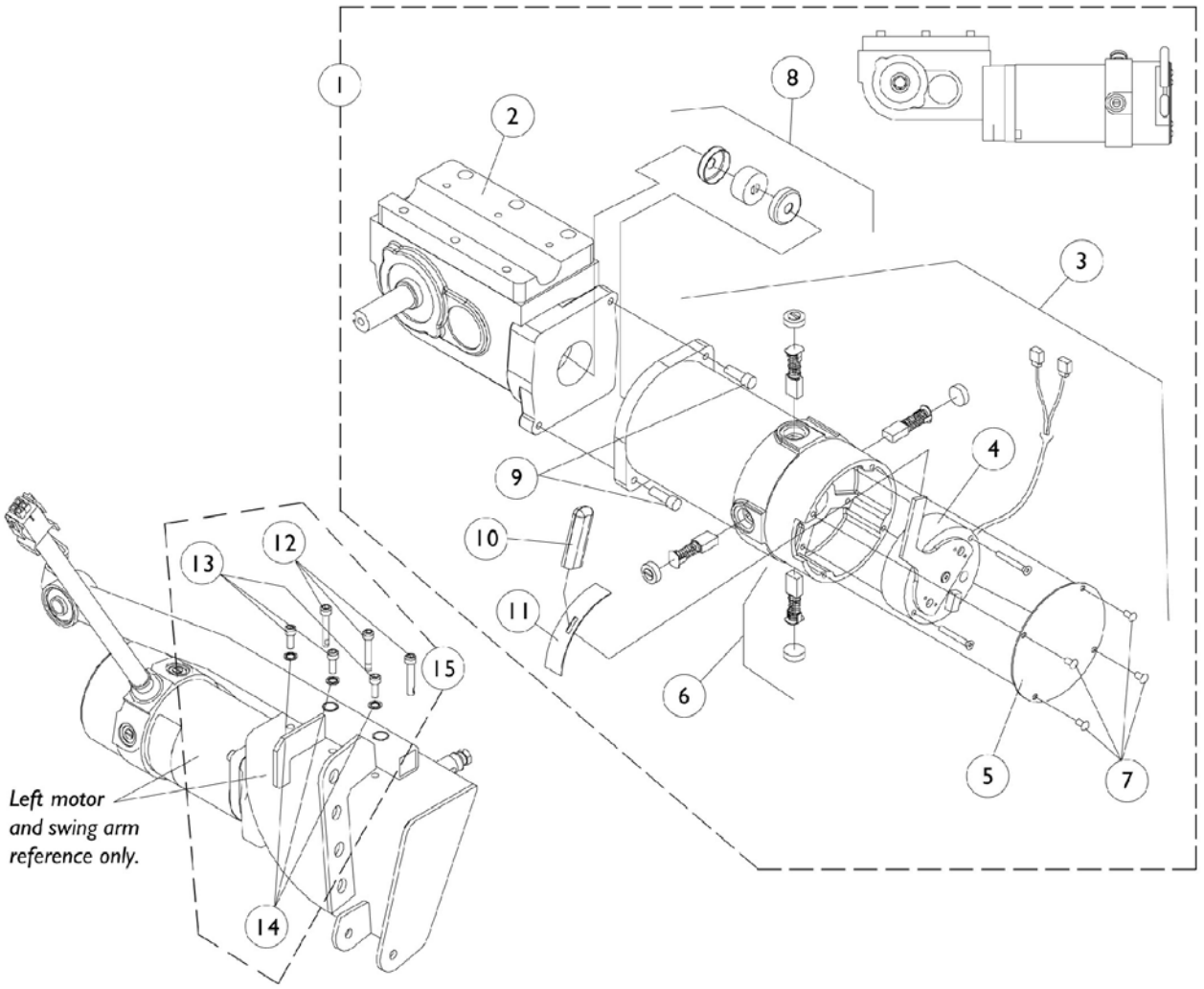
Swing Arms and Suspension Attaching Hardware



Swing Arms and Suspension Attaching Hardware

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1086287	Swing Arm w/ Rubber Bushing, Right	1	1
1		1086288	Swing Arm w/ Rubber Bushing, Left	1	1
2		1028486	Locknut, Low Profile (3/8-16)	1	8
3		1086324	Tie Rod Assembly	1	4
4		1065214	Washer, Flat (3/8 x 11/16 x 1/16")	1	8
5		1092408	Washer, Steel (1/2 x 11/16 x 3/32")	1	8
6		1028769	Locknut (5/16-18)	1	2
7		1042486	Screw, Hex Head (5/16-18 x 2-3/4")	1	2
8		1086313	Screw, Socket Head Shoulder (1/2 x 3/4")	1	8
9		1092409	Washer, Steel (5/16 x 1-1/4 x 1/16")	1	2
10		1043627	Screw, Hex Head Cap with Patch (5/16-18 x 1-3/4")	1	2
11		1090783	Screw, Hex Head (1/2-13 x 3")	1	2
12		1026174	Washer (1/2 x 7/8 x 3/64")	1	4
13		1050169	Locknut (1/2-13)	1	2
14		1086328	Spacer (1/2 x 11/16 x 1/4")	1	4

4-Pole Motor and Gearbox



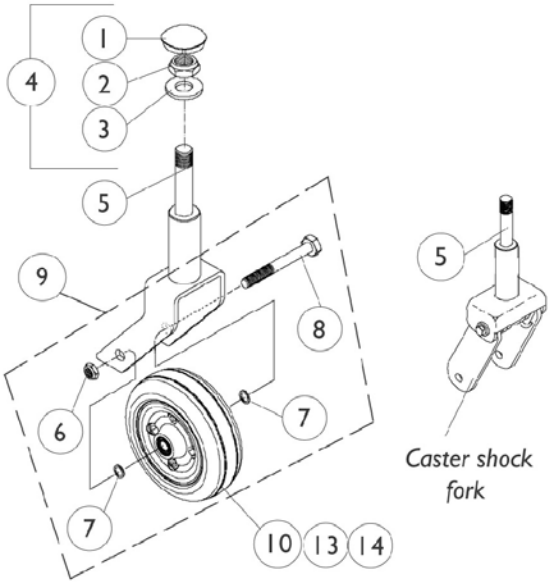
4-Pole Motor and Gearbox

Item Number	Description	Right	Left
1.	Motor/Gearbox Before 10/29/01	1086218 See Note(s) D	1086217 See Note(s) D
1.	Motor/Gearbox After 10/28/01	1109170	1109169
2.	Gearbox	1086228 See Note(s) C	1086227 See Note(s) C
3.	Motor Assembly Before 10/29/01	1086788	1087218
3.	Motor Assembly After 10/28/01	1109229	1109228
4.	Brake Repair Kit	1070295	1070294
5.	Brake Cover w/ Screws Before 10/29/01	1070297-NLA	1070297-NLA
5.	Brake Cover (Black) w/ Screws After 10/28/01	1104402-NLA	1104402-NLA
6.	Brushes w/ Caps (Set of 4)	1070296	1070296
7.	Screw, Socket Pan Head (8-32 x 1/4")	SEE ITEM 5	SEE ITEM 5
8.	Coupling w/ Cup (1" Diameter)	5165204-NLA See Note(s) A	5165204-NLA See Note(s) A
8.	Coupling w/ Cup (1-5/16" Diameter)	50000X007 See Note(s) B	50000X007 See Note(s) B
9.	Screw, SHC (1/4-20 x 1-1/8")	1043594 See Note(s) C	1043594 See Note(s) C
9.	Screw, SHC (M6 x 1 x 20MM)	1108978 See Note(s) C	1108978 See Note(s) C
10.	Plastic Tip Before 10/29/01	1082984	1082984
10.	Plastic Tip After 10/28/01	1101725	1101725
11.	Slotted Plate	1082985	1082985
12.	Screw, Socket Head Cap w/ Patch (M6 x 35MM)	1071504	1071504
13.	Screw, Socket Head Cap w/ Patch (M6 x 16MM)	1080713	1080713
14.	Washer, Internal Tooth (1/4")	10513X000	10513X000
15.	Motor Attaching Hardware (Includes Items 12, 13 and 14)	1095440	1095440

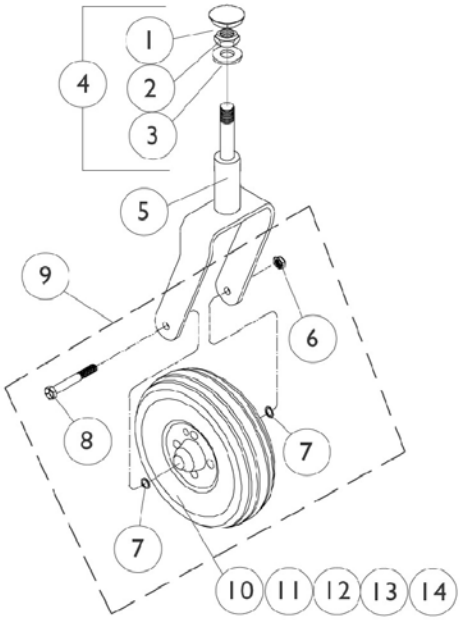
4-Pole Motor and Gearbox

NOTE:	A - Coupling with Cup for chairs manufactured before 11/12/01 - Use part # 50000X007 as a direct replacement part. B - After 11/11/01 Coupling with Cup was resized from approximately 1" to 1-5/16" diameter and can be used as a direct replacement for part number 5165204 C - When a new gearbox or mounting screws are ordered, (2 ea.) metric and (2 ea.) non-metric screws (item 9) must be ordered. Invacare Corp. utilizes alternate suppliers for this part number. D - As of May 2008, the Metal Motor End Cap will be replaced with a Composite Motor End Cap. The change does not affect form, fit, function or aesthetics.

6" and 8" Caster



6" Caster Assembly



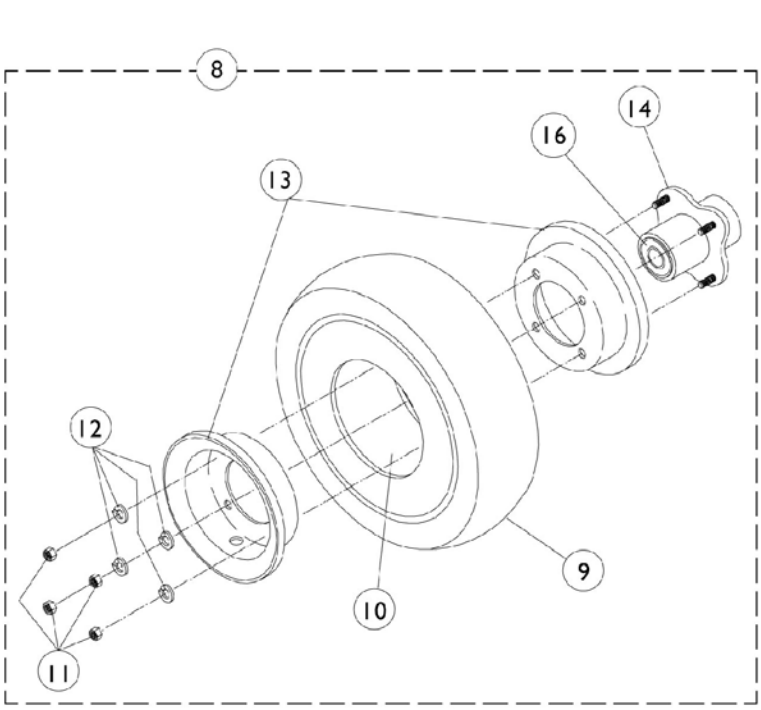
8" Caster Assembly

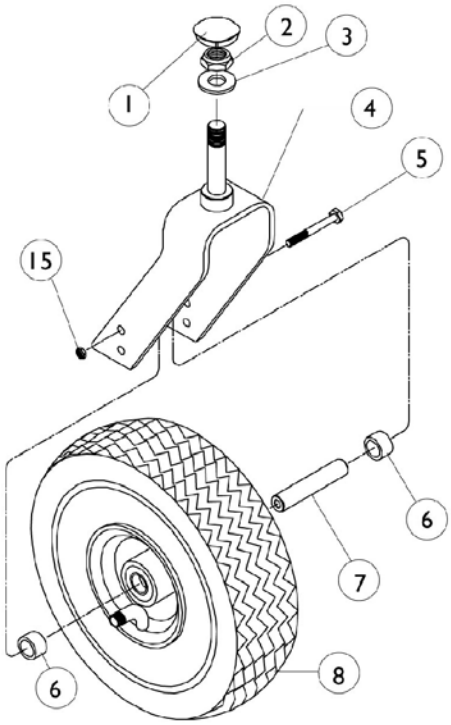
6" and 8" Caster

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1027600-NLA	Cap, Black	1	1
2		1028550	Locknut (5/8-18)	1	1
3		1041444	Washer (5/8 x 1-5/16 x 1/8")	1	1
4	A	1050173	Hardware, Caster Fork Mounting	1	1
5	B	8881039740	Fork & Stem Assembly, 8" Caster	1	1
5	B	8881056370	Fork/Shock 8" (Color)	1	1
5	B	8881041458	Fork & Stem Assembly, 6" Caster	1	1
5	B	8881056379	Fork, Shock, 6" (Color)	1	1
6		7930331	Locknut (7/16-20")	25	1
7		7930329	Washer, Steel (15/32 x 5/8 x 3/64")	25	2
8		1025726	Screw, Hex Head (7/16-20 x 3-1/4")	1	1
8		1058744	Screw, Hex Head (7/16-20 x 3-1/2")	1	1
9		1042489	Caster Axle Hardware (1 Pair)	2	1
9		1058890	Hardware, Caster, Shock Fork (Pair)	2	1
10		1002002	Wheel with Bearings - Pneumatic (8 x 2")	1	1
10		1070811	Wheel/Caster, Semi-Pneumatic with Bearings (8 x 1-3/4")	1	1
10	C	1072014-NLA	Wheel with Bearings - Semi Pneumatic (6" x 2")	1	1
10	D	1115179	Wheel with Bearings, 6 x 2" Urethane Deep Profile	1	1
10	D	1122066	Wheels with Bearings, 6 x 2" Urethane Deep Profile	2	1
11		40176X034	Tire, Pneumatic (8" x 2")	1	1
12		1034942	Tube, Pneumatic Inner (8" x 2")	1	1
13		1006049	Bearing (7/16")	1	2
14		1020592	Spacer, Bearing (7/16 x 5/8 x 1-3/4")	1	1

NOTE: A - Includes Items 1-3.
B - Specify frame color when ordering.
C - Service part No Longer Available 8/15/03. Due to product improvement, order (pair) part number 1122066 dated after 8/14/03 so each side matches. The deep profile caster has 2 tread grooves w/ round corners instead of 4 tread grooves w/ square corners.
D - Service part after 8/14/03

9" Caster



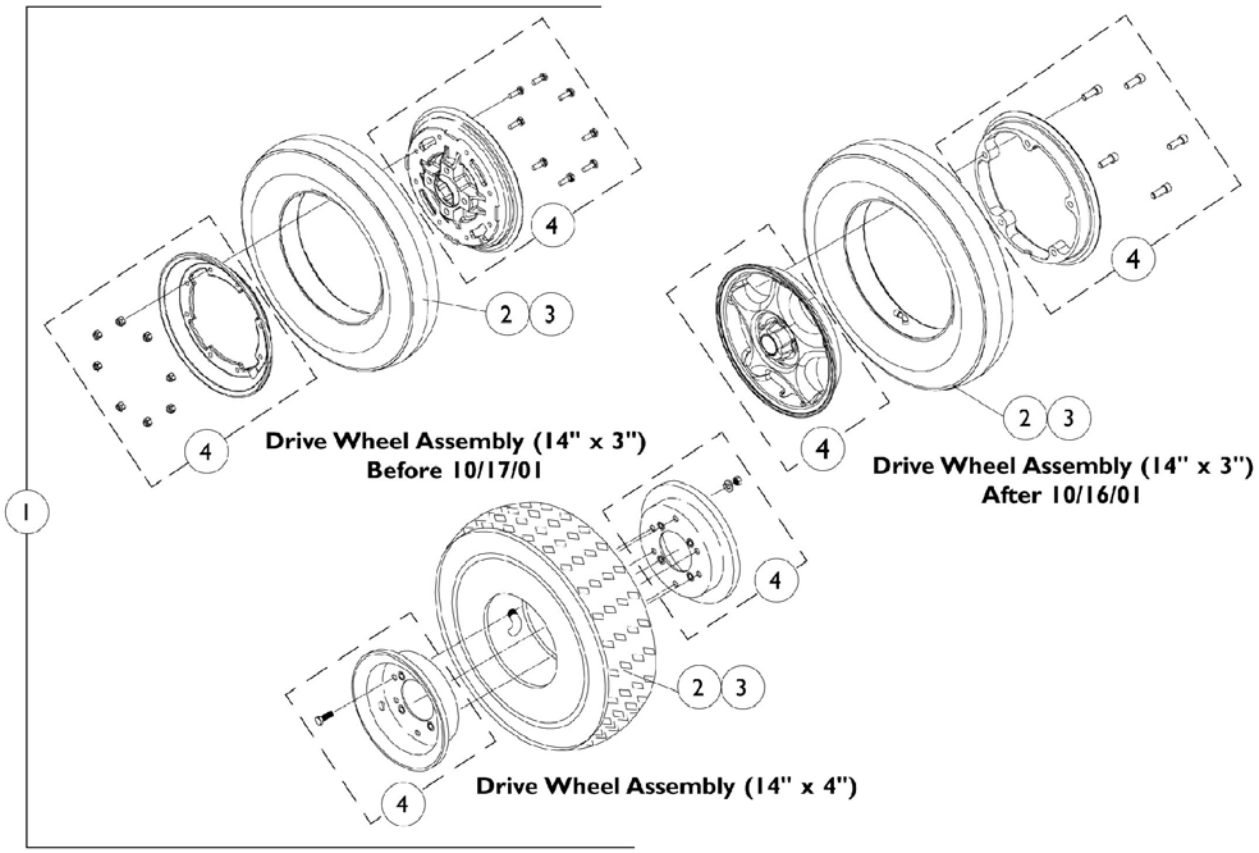


9" Caster

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1027600-NLA	Cap, Black	1	1
2		1028550	Locknut (5/8-18)	1	1
3		1041444	Washer (5/8 x 1-5/16 x 1/8")	1	1
4	A,C	8881039754	Fork & Stem Assembly, For 9" and 10" Casters	1	1
5		1027730	Screw, Hex Head (5/16-24 x 5")	1	1
6		1028832	Spacer (5/8 x 7/8 x 1/2")	1	2
7		1028833	Reducer, Axle	1	1
8		1041498	Wheel with Bearings - Pneumatic (9 x 2-3/4")	1	1
8	B	1029871	Wheel with Bearings - Foam Filled (9 x 2-3/4")	1	1
9		1027418	Tire, Pneumatic (9 x 2-3/4")	1	1
9		1028896	Tire, Foam Filled (9 x 2-3/4")	1	1
10		1027417	Tube, Pneumatic Inner (9" x 2-3/4")	1	1
11		1024426	Nut, Hex (5/16-24)	1	4
12		1024442	Washer, Lock (5/16 x 9/16 x 1/16")	1	4
13		1025399	Rim, Outer/Inner half with Hardware-9"	1	1
13		1013460	Rim, Outer/Inner Half with Hardware-10"	1	1
14		1013466	Hub with Bearings	1	1
15		7930330	Locknut (5/16-24)	25	1
16		1015610	Bearing with Grip Ring (5/8")	1	2

NOTE: A - Specify frame color when ordering.
B - Tire comes with insert molded inside.
C - 250 pound standard and heavy duty.

Drive Wheels and Attaching Hardware



Drive Wheels and Attaching Hardware

Item #'s 1-3 Drive Wheels and Attaching Hardware

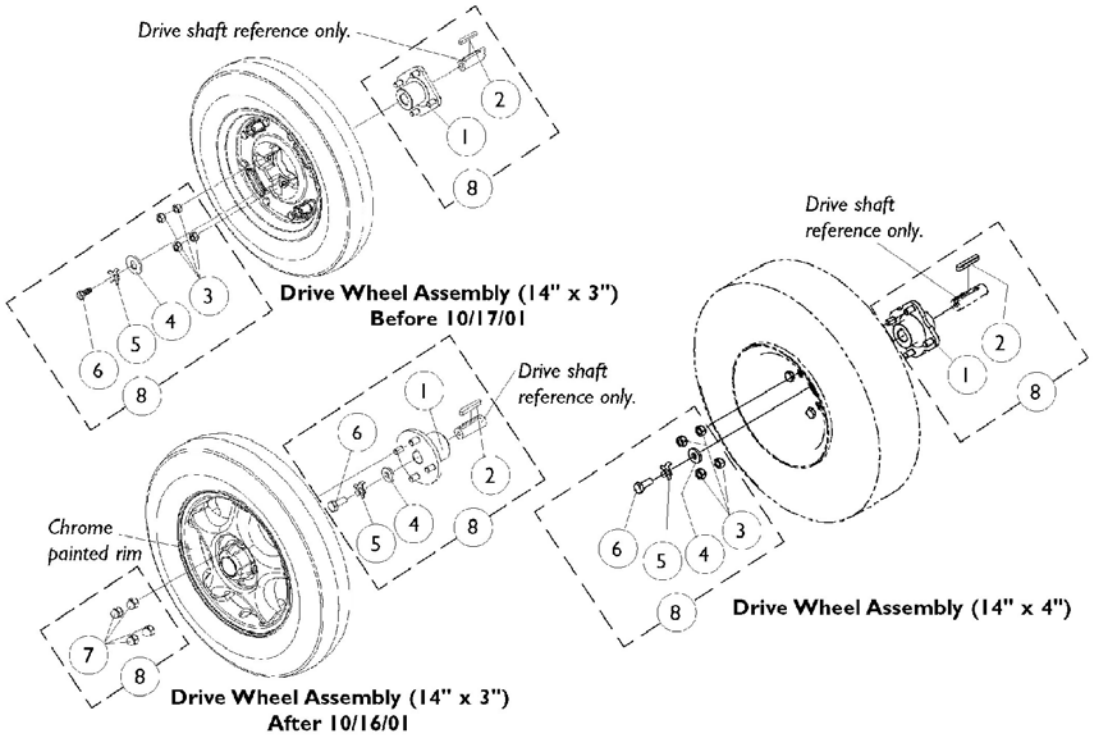
Description	#1 Wheel Complete	#1 Wheel Complete w/ Flat Free	#2 Tire	#2 Tire w/ Flat Free	#3 Tube
14" x 4"	1094017	1094016	1042474	1042478	1042475
14" x 3" Before 10/17/01	1090649	1090650	1039652	1101754	1039651
14" x 3" After 10/16/01	1104438	1104437	1039652	1101754	1039651

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1-3	C	See Chart	#'s 1-3 Drive Wheels and Attaching Hardware	1	1
4	A	1090651	Rim, 8" with Hardware (14 x 3" Wheel)	1	1
4	B	1104882	Kit, 8" Rim with Hardware (14 x 3" Wheel)	1	1
4		1042453	Rim, 6" with Hardware (14 x 4" Wheel)	1	1
	A,D,E	7930326	Screw, Hex Head (1/4-20 x 3/4")	25	8
	A,D,E	7930333	Locknut (1/4-20)	25	8
	B,D,F	1101094	Screw, Socket Head Cap w/ Patch (5/16-18 x 7/8")	1	5
	B,D,G	1024443	Screw, Hex Head (5/16-24 x 5/8")	1	6
	B,D,G	1024442	Washer, Lock (5/16 x 9/16 x 1/16")	1	6
	B,D,G	1024426	Nut, Hex (5/16-24)	1	6

NOTE: A - Before 10/17/01.
B - After 10/16/01.
C - See chart titled "Item #'s 1-3 Drive Wheels and Attaching Hardware."
D - Not Shown
E - Included in rim with hardware part number #1090651 before 10/17/01.
F - Included in rim with hardware part number #1104882 after 10/16/01.
G - Included in rim with hardware part number #1042453.

Drive Wheel Hub Mounts

NOTE: the new chrome painted 14" x 3" spoke wheels are retrofitable to chairs made before 10/17/01. Wheel hub assembly part number 1103010 must be ordered as well.



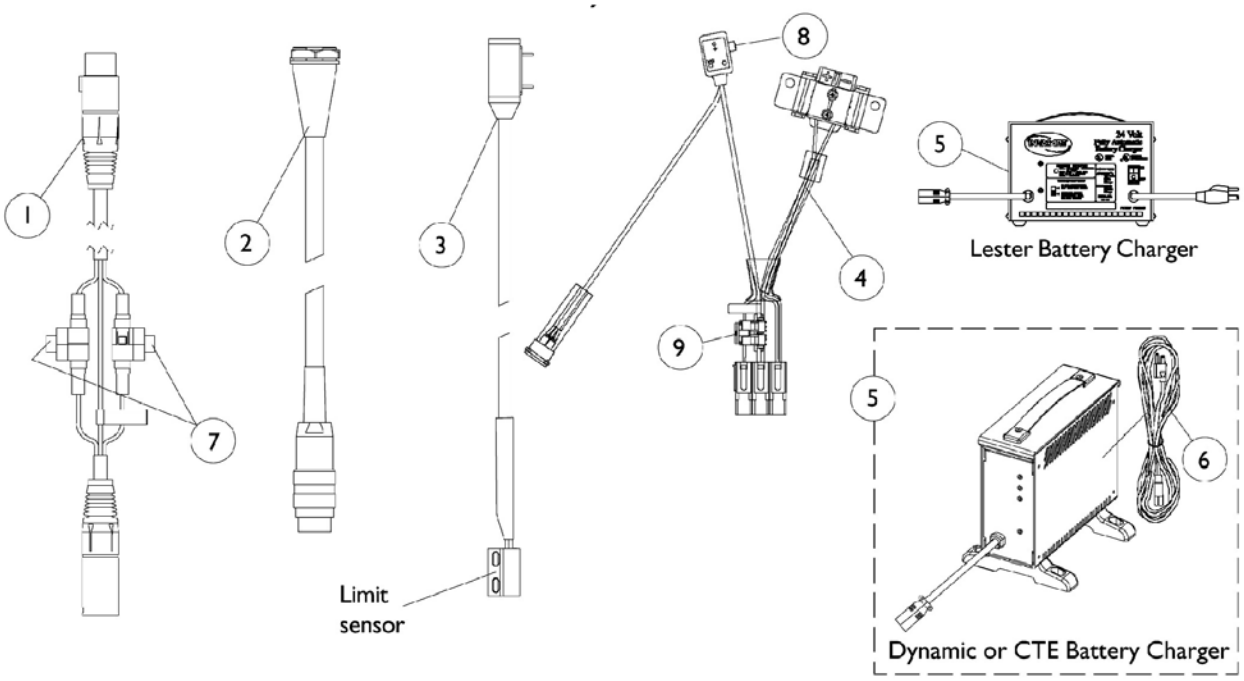
Drive Wheel Hub Mounts

NOTE: the new chrome painted 14" x 3" spoke wheels are retrofitable to chairs made before 10/17/01. Wheel hub assembly part number 1103010 must be ordered as well.

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	A	1086681	Hub, Wheel (14" x 3")	1	1
1	B	1100576-NLA	Hub, Wheel (14" x 3")	1	1
1		1086326	Hub, Wheel (14" x 4")	1	1
2		1023264	Key (6 MM x 6MM x 40 MM)	1	1
3		1024444	Locknut (5/16-24)	1	4
4		1023262	Washer (11/32 x 13/16 x 1/8")	1	1
5		1064179	Kit, Locking Tab Washers with Instruction Sheet	2	1
6		7930322	Screw, Hex Head (M8 x 1-1/4" x 20MM)	25	1
7		1100580	Nut, Beveled Hex (5/16-24)	1	4
8	A,C	1090648-NLA	Hardware, Drive Wheel Mounting w/ Instruction Sheet (14" x 3")	1	1
8	B,D	1103011-NLA	Hardware, Drive Wheel Mounting w/ Instruction Sheet (14" x 3")	1	1
8	C	1093315	Hardware, Drive Wheel Mounting w/ Instruction Sheet (14" x 4")	1	1
	F	1064062	Instruction Sheet, Locking Tab	1	1
	B,E,F	1103010-NLA	Wheel Hub Assembly	1	1

NOTE:
A - Before 10/17/01
B - After 10/16/01
C - Includes Items 1-6.
D - Includes Items 1, 2, and 4-7.
E - Includes Items 1 and 7.
F - Not Shown

Battery Charger, Harnesses and Cables

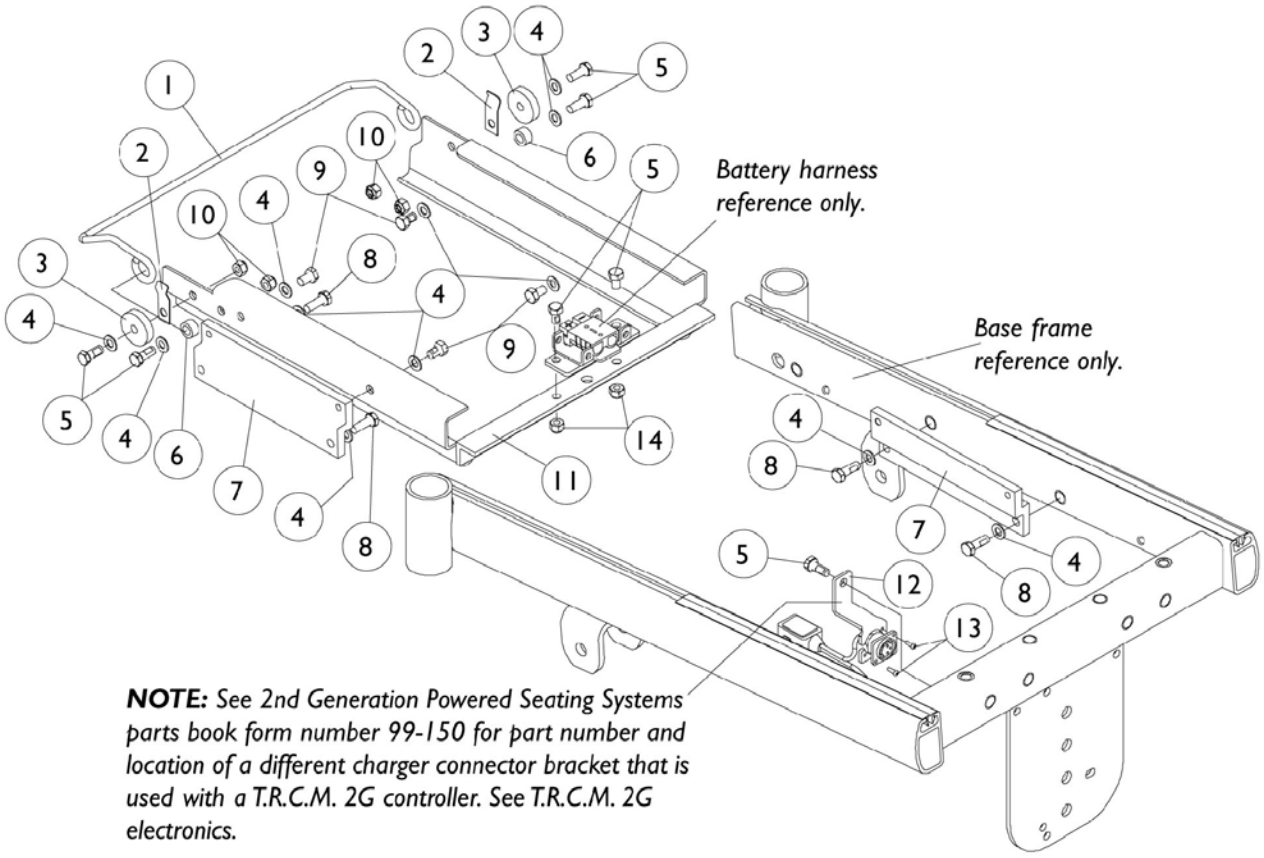


Battery Charger, Harnesses and Cables

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1083929	Cable, Charger Extension (24" Long Round Plug)	1	1
2		1092912	Programmer Extension Cable Assembly (18" Long)	1	1
3	A	1092913	Cable, Drive Lockout Sensor	1	1
4		1092314	Wiring Harness w/ Black Battery Connector, Round Plug, GP24 Dual Battery Boxes	1	1
5	B	1053161	Battery Charger, 8 Amp. 115vac (Off Board) Dual Mode Round Plug, Lester	1	1
	C	1053162-NLA	Battery Charger, 12 Amp. 115vac (Off Board), Dual Mode Round Plug, Lester	1	1
5		1085678-NLA	Battery Charger, 8 Amp. 115vac (Off Board) Dual Mode Round Plug w/ AC Power Line Cord, Dynamic	1	1
5	G,G1	1123249	Battery Charger, 8 Amp. 115vac (Off Board) Single Mode Round Plug w/ AC Power Line Cord, CTE Corp.	1	1
6		1089627	Cord, AC Power Line 115vac, 2-prong - Off Board (11'6"L)	1	1
7	E	1098892	Fuse, 15 Amp. (Buss ATC-15)	1	1
7	F	1090117	Fuse, 15 Amp. (Buss Mini ATM-15)	1	2
8		1090117	Fuse, 15 Amp. (Buss Mini ATM-15)	1	1
9	F	1101099	Fuse, 20 Amp. (Buss ATC-20)	1	1
9	F	1119230	Fuse, 20 Amp. (Buss Mini ATM-20)	1	1
	C,D	1094382	Hardware, Cable Routing	1	1
	C	1095503	Package, Cable Ties (5-5/8" Long)	10	8
	C	1095502	Package, Cable Ties (11-1/2")	10	8

NOTE:
A - Sensor cable is used with a manual recliner, high back captain seat and the counter weight.
B - On 7/18/01 the Lester charger was introduced to ARROW FWD chairs.
C - Not Shown
D - #1094382 consists of the following: (5) each cable ties (11-1/2" long), (3) each cable ties (5-5/8" long), 3 each cable tie holders.
E - Before 4/1/03
F - After 3/31/03
G - CTE charger introduced 4/1/04. Used on Gel Cell or AGM (Absorbed Glass Mat) batteries. For wet cell batteries refer to the Lester charger.
G1 - CTE charger looks exactly the same as Dynamic's charger except for the company name that is silk screened on the narrow side panel, where the charger plug is (hard wired) attached. Serial number starts with 04A00000001.

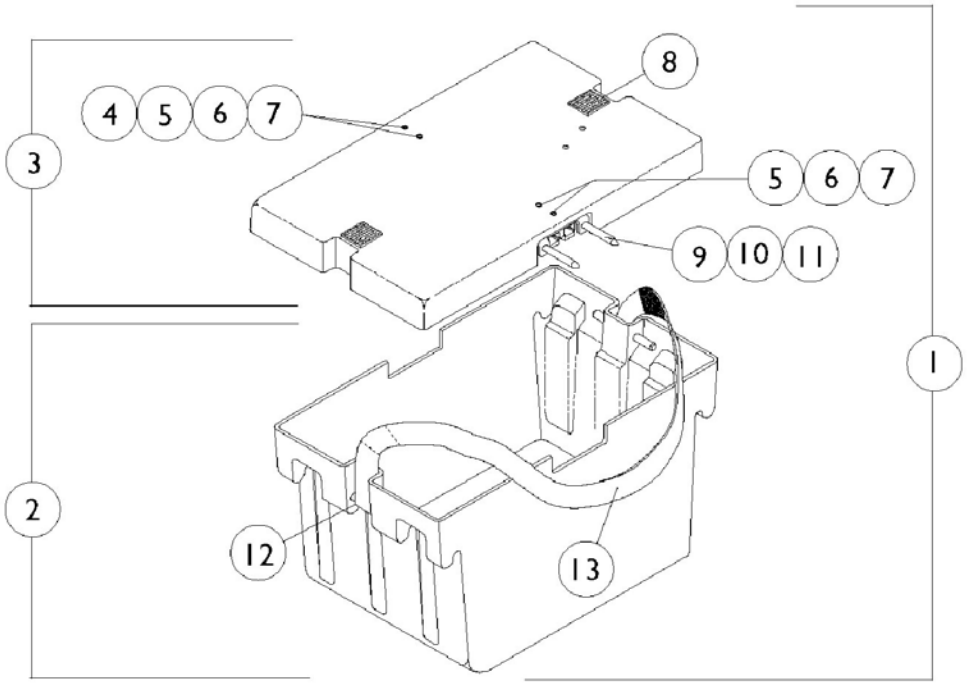
Battery Box Attaching Hardware
Group 24 Batteries


Battery harness reference only.
Base frame reference only.
NOTE: See 2nd Generation Powered Seating Systems parts book form number 99-150 for part number and location of a different charger connector bracket that is used with a T.R.C.M. 2G controller. See T.R.C.M. 2G electronics.

Battery Box Attaching Hardware
Group 24 Batteries

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1049549	Retainer, Battery Box	1	1
2		1049550	Retainer Clip	1	2
3		1091544	Stop, Battery Bracket	1	2
4		1025704	Washer, Flat (5/16 x 5/8 x 1/16")	1	12
5		1039860	Screw, Hex Head Cap with Patch (5/16-18 x 3/4")	1	7
6		1092911	Spacer (3/8 x 5/8 x 11/32")	1	2
7		1086303	Support, Front Battery	1	2
8		1070462	Screw, Hex Head Cap w/ Patch (5/16-18 x 7/8")	1	4
9		1061922	Screw, Hex Head Cap w/ Patch (5/16-18 x 1/2")	1	4
10		1028769	Locknut (5/16-18)	1	4
11		1086974	Frame, Battery Box Support	1	1
12		1093308	Bracket, Charger Connector, Black	1	1
13		1087226	Screw, Phillips Pan Head Tap (#4-24 x 3/8")	1	2
14		1026158	Locknut (5/16-18)	1	2

Front Battery Box
Group 24 Batteries

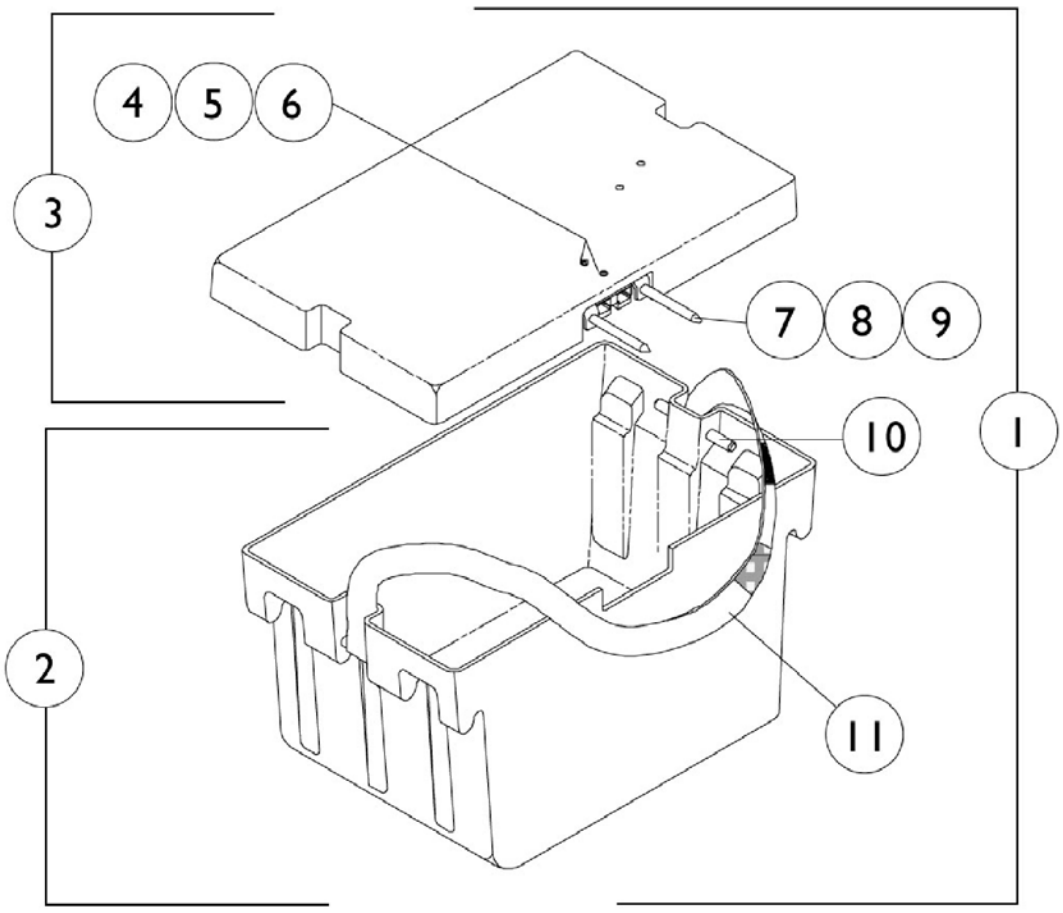


Front Battery Box
Group 24 Batteries

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1039705	Battery Box Assembly w/ Black Battery Connector, Front	1	1
2		1041439	Battery Box Bottom Assembly, Front	1	1
3		1041432	Battery Box Lid Assembly w/ Black Battery Connector, Front	1	1
4		1041420	Bracket, Connector Guide Mounting	1	2
5		1043599	Washer, Flat (5/32 x 3/8 x 1/32")	1	4
6		1039773	Screw, Phillips Pan Head (#6-32 x 1-1/8")	1	4
7		P0870X050	Nut, Keps (#6-32)	1	4
8		1070504	Fastener, Hook with Adhesive Back (1" x 1")	1	2
9		1041421	Pin, Connector Guide	1	2
10		1041422	Ring, Retaining	1	4
11		1041420	Bracket, Connector Guide Mounting	1	2
12		1041433	Pin, Handle	1	2
13		1041435	Handle Strap, Front Battery Box	1	1
	A,B	1041426-NLA	Harness, Front Wiring	1	1

NOTE: A - Not Shown
B - Replace with Item 3 part # 1041432 battery box lid assembly.

Rear Battery Box
Group 24 Batteries

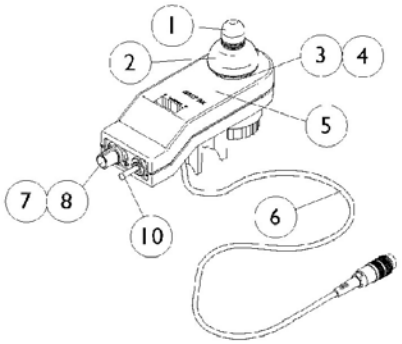


Rear Battery Box
Group 24 Batteries

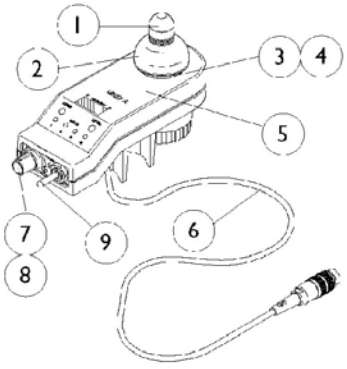
Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1041440	Battery Box Assembly w/ Black Battery Connector, Rear	1	1
2		1041438	Battery Box Bottom Assembly, Rear	1	1
3		1085414	Battery Box Lid Assembly w/ Black Battery Connector, Rear	1	1
4		1039773	Screw, Phillips Pan Head (#6-32 x 1-1/8")	1	2
5		1043599	Washer, Flat (5/32 x 3/8 x 1/32")	1	2
6		P0870X050	Nut, Keps (#6-32)	1	2
7		1041421	Pin, Connector Guide	1	2
8		1041422	Ring, Retaining	1	4
9		1041420	Bracket, Connector Guide Mounting	1	1
10		1041433	Pin, Handle	1	2
11		1041434	Handle Strap, Rear Battery Box	1	1
	B,C	50000X166	Fuse, 60 Amp (Buss 2-1/4" Long)	1	1
	B,D	1089385	Fuse, 80 Amp, MIDI (Non-G/B & G/B)	1	1
	A,B	1039726-NLA	Harness, Rear Wiring	1	1

NOTE: A - Replace with Item 3 part # 1085414 battery box lid assembly.
B - Not Shown
C - Before 6/15/00
D - After 6/14/00

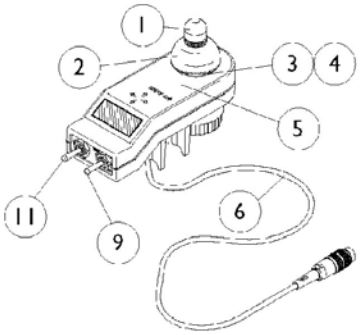
MKIV Joysticks
RX, A, A+, TCHJOY



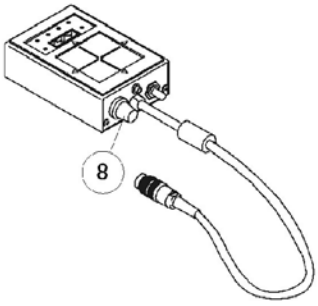
1038603
RX Joystick



1065944
A Joystick



1038608
A+ Joystick



1095289
TCHJOY
Touchpad "A"
Joystick

MKIV Joysticks
RX, A, A+, TCHJOY

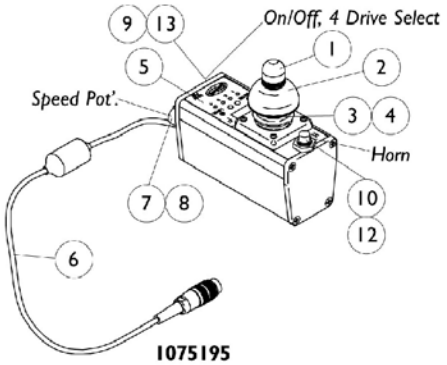
RX, A, A+, TCHJOY

Item Number	Description	RX	A	A+	TCHJOY
See Pictorial	Joystick Assembly	1038603-NLA	1065944	1038608	1095289
1	Knob, Joystick	1040217	1040217	1040217	N/A
2	Skirt, Joystick	1040218	1040218	1040218	N/A
3	Inductive, Joystick	1036764 See Note(s) B	1036764 See Note(s) B	1036764 See Note(s) A	N/A
3	Inductive, Joystick	1104397 See Note(s) C	1104397 See Note(s) C	N/A	N/A
4	Boot, Joystick	50000X364	50000X364	50000X364	N/A
5	Overlay, Joystick Decal	1038642	1040190	1036776	N/A
6	Cable Assembly	1036750 See Note(s) B	1036750 See Note(s) B	1036750 See Note(s) A	N/A
6	Cable Assembly	1104205 See Note(s) C	1104205 See Note(s) C	N/A	N/A
7	Potentiometer, Speed	1040225 See Note(s) B	1040225 See Note(s) B	N/A	N/A
7	Potentiometer, Speed	1115518 See Note(s) C	1115518 See Note(s) C	N/A	N/A
8	Knob, Potentiometer	1025516	1025516	N/A	1025516
9	Switch, On/ Off Momentary	N/A	1040185 See Note(s) B	1040185 See Note(s) A	N/A
9	Switch, On/ Off Momentary	N/A	1115523 See Note(s) C	N/A	N/A
10	Switch, Off/ 1-2	1038627 See Note(s) B	N/A	N/A	N/A
10	Switch, Off/ 1-2	1115521 See Note(s) C	N/A	N/A	N/A
11	Switch, Program	N/A	N/A	1040186 See Note(s) A	N/A

NOTE: A - Item requires soldering
B - Before 10/01/02 item requires soldering
C - After 9/30/02 item has a non-solder connector

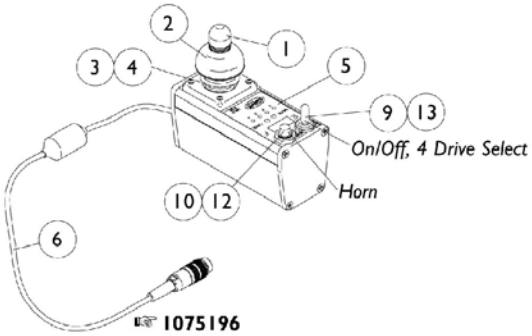
MKIV Joysticks - PSF and PSR

NOTE: PSR STANDARD joystick configuration below show the on/off switch on the left side for part # 1075196. When the on/off switch is required on the right side, refer to part number 8881075196 and order as a configurated part.

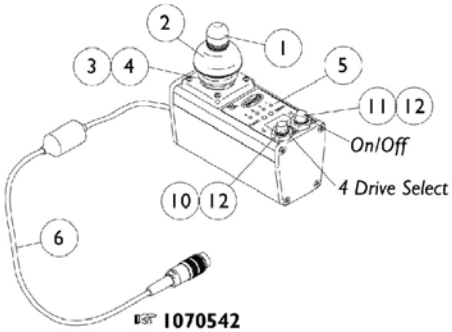


1075195
PSF Joystick

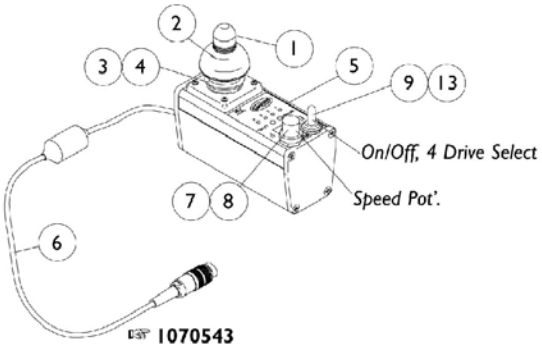
☞ ***STANDARD:*** *This PSR joystick includes a toggle on/off combined with a drive select and a push button horn. No speed selector.*
PBOD: *This PSR joystick includes push button on/off with a push button drive select. This gives you access to the four drives, but no horn and no speed select.*
RHSS: *This PSR joystick replaces the horn with a speed selector. This allows you to deviate from having a horn to having a speed select dial, plus the drive selector to the four drives.*
TOHSS: *This PSR joystick includes a toggle on/off with horn and a speed select dial. You have access to only one drive.*
OL: *On/Off positioned on left side of the PSR joystick.*
OR: *On/Off positioned on right side of the PSR joystick.*



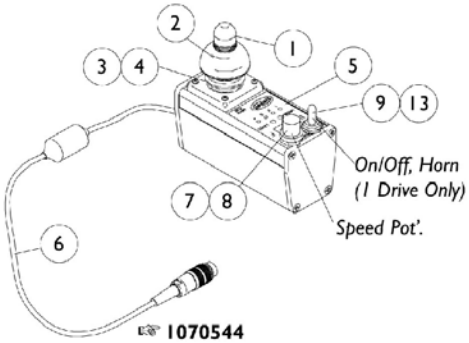
☞ **1075196**
PSR Joystick
ON CHAIR: STANDARD



☞ **1070542**
PSR Joystick without Horn
ON CHAIR: PBOD/OL



☞ **1070543**
PSR Joystick without Horn
ON CHAIR: RHSS/OL



☞ **1070544**
PSR Joystick
ON CHAIR: TOHSS/OL

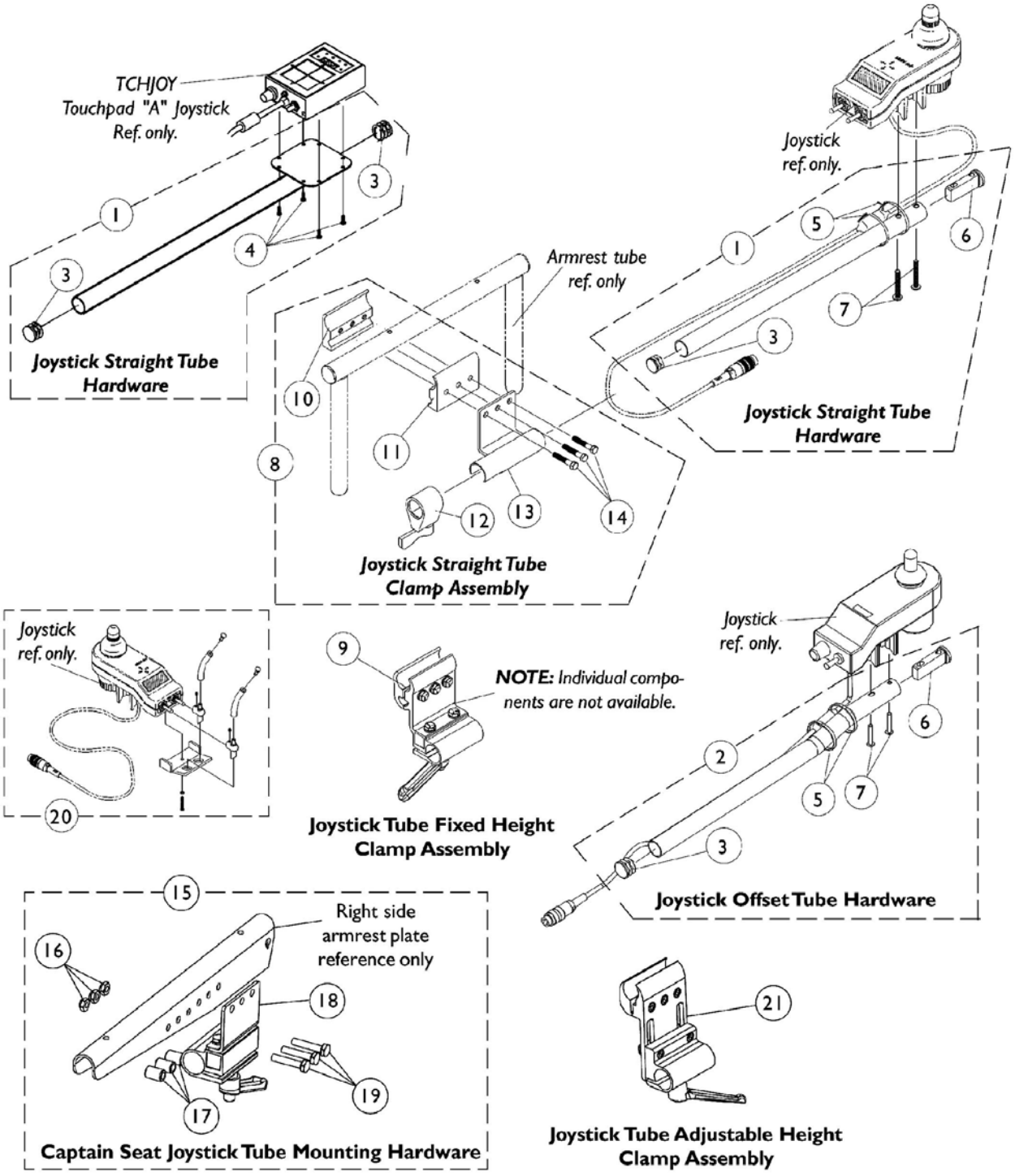
MKIV Joysticks - PSF and PSR

NOTE: PSR STANDARD joystick configuration below show the on/off switch on the left side for part # 1075196. When the on/off switch is required on the right side, refer to part number 8881075196 and order as a configurated part.

Item Number	Description	PSF	PSR
See Pictorial	Joystick Assembly	N/A	1075196
See Pictorial	Joystick Assembly	8881075195	8881075196
See Pictorial	Joystick Assembly	N/A	1070542
See Pictorial	Joystick Assembly	N/A	1070543
See Pictorial	Joystick Assembly	N/A	1070544
1	Knob, Joystick	1040217	1040217
2	Skirt, Joystick	1040218	1040218
3	Inductive, Joystick	1036764	1036764
4	Boot, Joystick	50000X364	50000X364
5	Overlay, Joystick Decal	1075034	1079925
6	Cable Assembly	1036750	1036750
7	Potentiometer, Speed	1040225	1040225
8	Knob, Potentiometer	1025516	1025516
9	Switch, On/Off Momentary	1040185	1040185
10	Switch, Push Button SPST Momentary	1010047	1010047
11	Switch, Push Button SPST	N/A	1010048
12	Boot, Switch	1010049	1010049
13	Boot, Switch	1058464	1058464

MKIV Joystick Mounting Hardware and Joystick Accessories

NOTE: Captain Seat joystick tube mounting hardware adapts to the offset joystick tube and become standard on-chair after 10/3/00.


TCHJOY
Touchpad "A" Joystick
Ref. only.
Joystick Straight Tube Hardware
Armrest tube ref. only
Joystick Straight Tube Clamp Assembly
Joystick ref. only.
Joystick Straight Tube Hardware
Joystick ref. only.
NOTE: Individual components are not available.
Joystick Tube Fixed Height Clamp Assembly
Joystick ref. only.
Joystick Offset Tube Hardware
Right side armrest plate reference only
Captain Seat Joystick Tube Mounting Hardware
Joystick Tube Adjustable Height Clamp Assembly

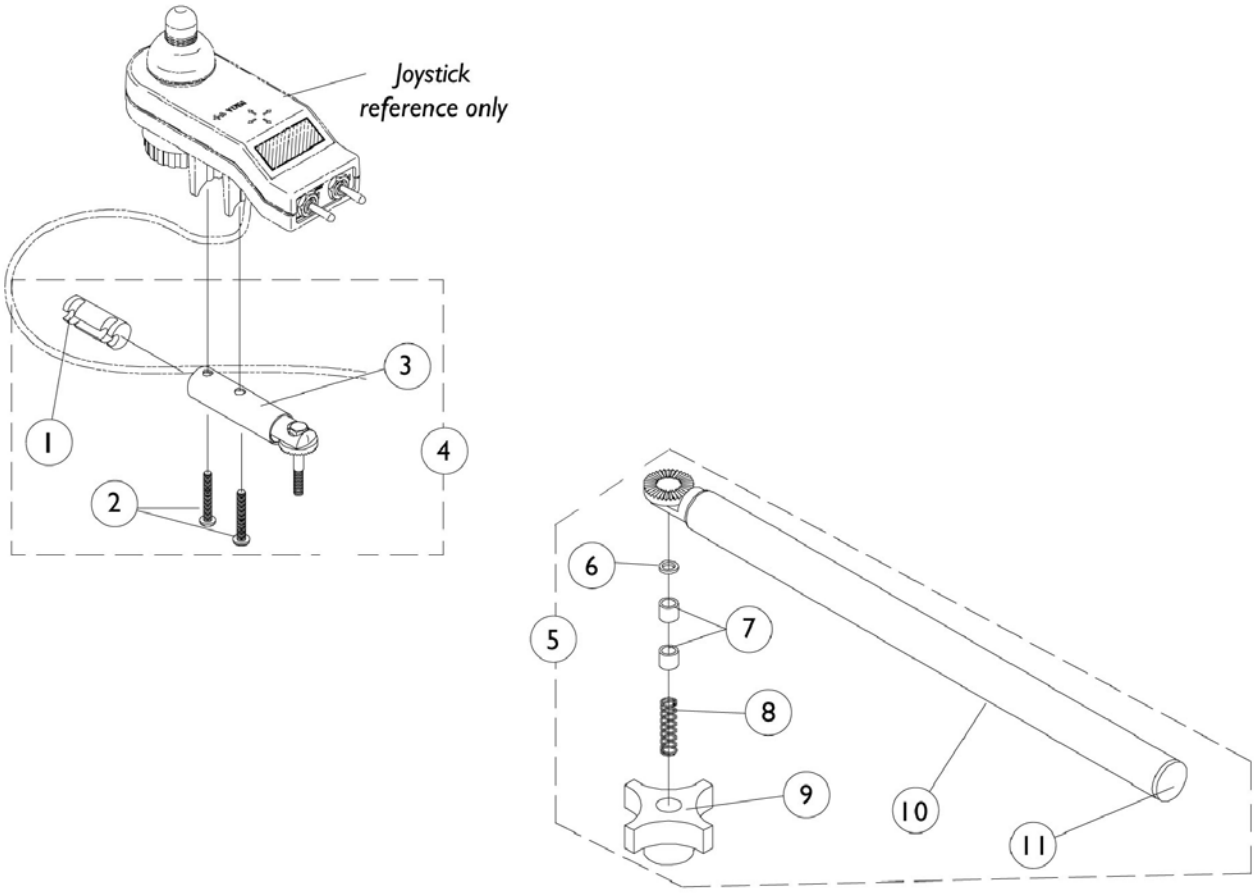
MKIV Joystick Mounting Hardware and Joystick Accessories

NOTE: Captain Seat joystick tube mounting hardware adapts to the offset joystick tube and become standard on-chair after 10/3/00.

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	B,N	1092604	Kit, Straight Joystick Tube with Hardware	1	1
1	C,D,K	1043568	Kit, Straight Joystick Tube with Hardware	1	1
2	D,E,L,L1	1093069	Kit, 1/2" Offset Joystick Tube with Hardware	1	1
3		1027095	Plug Button, Black (7/8")	1	1
4		1052041	Screw, Phillips Pan Head (#4-40 x 3/8")	1	1
5	F	1095502	Package, Cable Ties (11-1/2")	10	2
6		1093063	Spacer, Joystick Tube	1	1
7		1025714	Screw, Phillips Pan Head (#10-32 x 1-1/8")	1	1
8	C,G,J	1049591	Hardware, Joystick Tube Mounting	1	1
9	E,L,L1	1093071	Clamp, Fixed Height Joystick Tube	1	1
10		1027267	Half Clamp, Threaded Holes	1	1
11		1027266	Half Clamp, Non-Threaded Holes	1	1
12		1027274	Lock, Adjustment (Black)	1	1
13		1049582	Bracket, Joystick Mounting, Black	1	1
14		16690X004	Screw, Hex Head (1/4-20 x 1-1/8")	1	1
15	H	1105050	Kit, Joystick Tube Mounting Hardware - Captain/ Van Seat	1	1
16		1025195	Locknut (1/4-20)	1	1
17		1101524	Spacer (1/4 x 7/16 x 5/8")	1	3
18		1105049	Clamp Assembly, Captain/Van Seat	1	1
19		1057955	Screw, Hex Head (1/4-20 x 1-1/4")	1	3
20		1055736	Toggle Switch Extension Kit	1	1
21	O	1139422	Clamp, Height Adjustable Joystick Tube (ARM250)	1	1
	A	1006270	Joystick Extension - "T" Style (1560) (4" Wide x 5-1/2" Long)	1	1
	A	1006271	Joystick Extension - Straight Style (1561) (1/2" Wide x 5" Long)	1	1

NOTE:
A - Not Shown.
B - Includes items 3 and 4.
C - Before 10/4/00.
D - Includes items 3, 5, 6 and 7.
E - After 10/3/00. MKIV RX, A, A+ PSF/PSR.
F - Package of 10.
G - Includes items 10-14.
H - Includes items 16-19.
J - PS, TCHJOY and RX, A, A+, PSF/PSR.
K - MKIV RX, A, A+ PSF/PSR.
L - The joystick straight tube changed to an offset joystick tube on 10/4/00. The joystick tube mounting hardware also changed to a new fixed height clamp assembly to allow an individual to use an
L1 - adjustment lever to securely hold the joystick tube in place. The fixed height joystick tube clamp can be used as a direct replacement in the field for the joystick tube mounting hardware part number 1049591 manufactured for chairs before 10/4/00.
N - Due to product improvement, the joystick mounting bracket with a separate adjustment lock was replaced with the clamp assembly shown as of 2/20/03 and is backward compatible.
O - Can be used to replace a Fixed Height Joystick Tube Clamp in the field

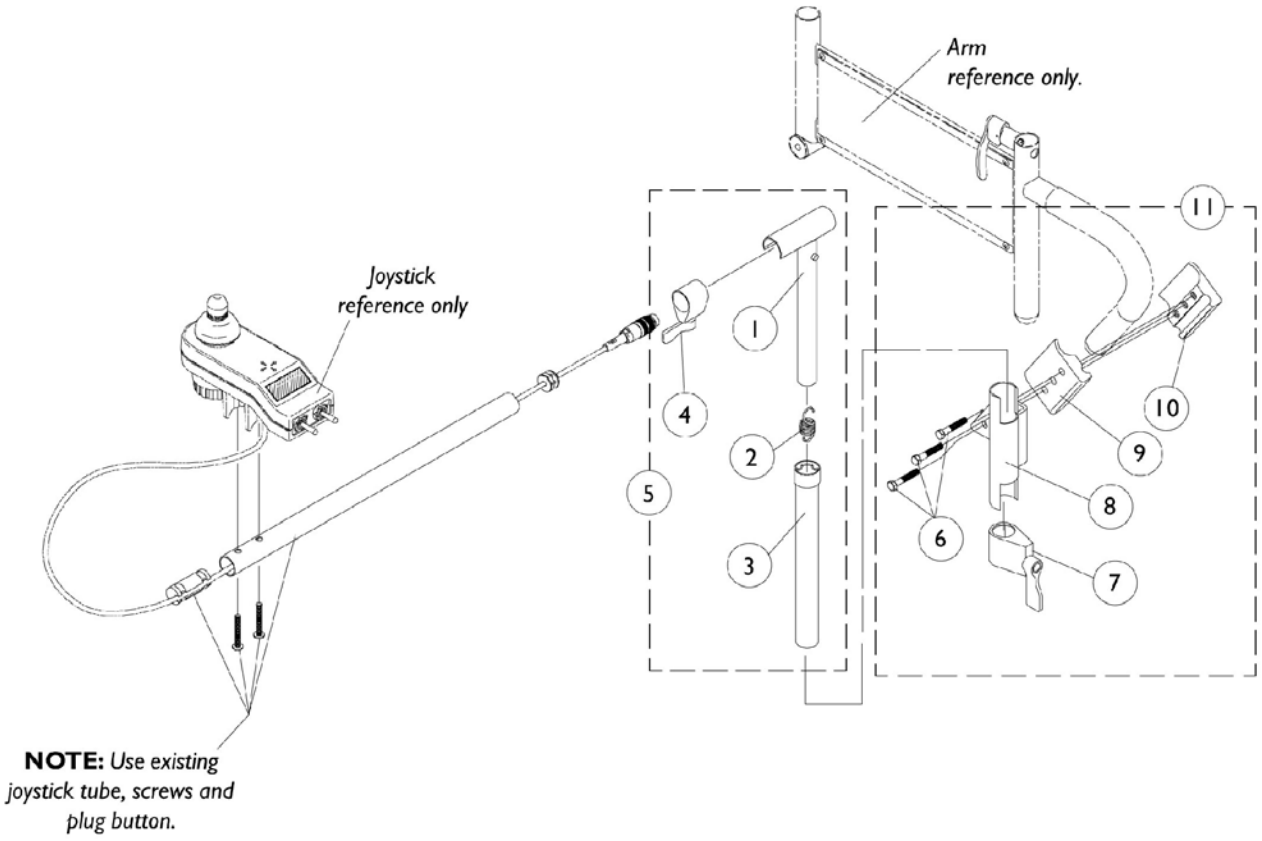
MKIV Swivel Joystick Hardware



MKIV Swivel Joystick Hardware

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1093063	Spacer, Joystick Tube	1	1
2		7930327	Screw, Phillips Pan Head (#10-32 x 1-1/8")	1	3
3		1049962	Swivel Joystick Bracket, MKIV	1	1
4		1049963	Swivel Joystick Bracket with Hardware	1	1
5		1035986	Swivel Joystick Tube with Hardware	1	1
6		1020551	Washer, Flat (1/4 x 3/8 x 1/16")	1	1
7		1005844	Bushing	1	2
8		1002511	Spring, Hitch Bracket	1	1
9		1023670	Knob, Clamping	1	1
10		1035990	Tube, Swivel Joystick	1	1
11		1027095	Plug Button, Black (7/8")	1	1

MKIV Mid-Line Swing Bracket Assembly

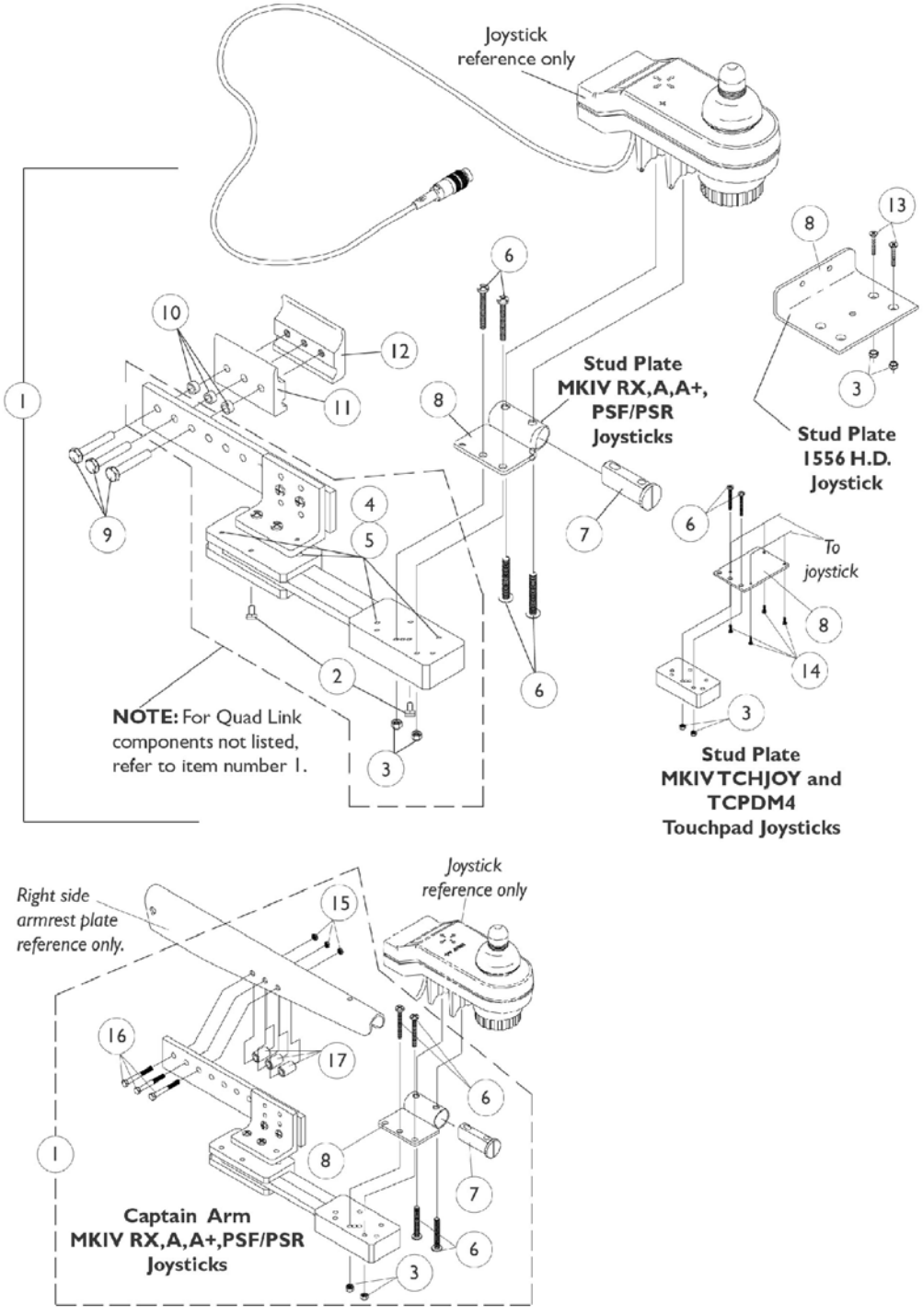


MKIV Mid-Line Swing Bracket Assembly

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1035528	Adjustment Tube, (Inside) Mid-Line	1	1
2		1016778	Spring, Extension	1	1
3		1035860	Adjustment Tube, (Outside) Mid-Line	1	1
4		1027274	Lock, Adjustment (Black)	1	1
5	C	1035852	Swing Bracket Assembly, Mid-Line	1	1
6		7930349	Screw, Hex Head (1/4-20 x 1-1/8")	1	3
7		1027274	Lock, Adjustment (Black)	1	1
8	A	1071879	Bracket, Joystick Mounting, Black	1	1
9		1027266	Half Clamp, Non-Threaded Holes	1	1
10		1027267	Half Clamp, Threaded Holes	1	1
11	A,B	1071880	Hardware, Attaching Mid-Line	1	1

NOTE: A - Left side joystick mounting bracket or hardware must be ordered as a special.
B - Includes Items 6-10.
C - Includes items 1-4.

Quad Link Assembly
Before 4/07/06


Joystick reference only
Stud Plate MKIV RX,A,A+, PSF/PSR Joysticks
Stud Plate 1556 H.D. Joystick
To joystick
NOTE: For Quad Link components not listed, refer to item number 1.
Stud Plate MKIV TCHJOY and TCPDM4 Touchpad Joysticks
Right side armrest plate reference only.
Joystick reference only
Captain Arm MKIV RX,A,A+,PSF/PSR Joysticks

Quad Link Assembly
Before 4/07/06

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	A	1052402	Kit, Quad Link Assembly - Right	1	1
2			Ball Plunger with Lock Washer Assembly	2	1
3			Locknut (#10-32)	1	2
4			Screw, Socket Head (#10-32 x 1/2")	1	4
5			Bushing, Bronze (3/16 x 1/4 x 1/4")	1	4
6			Screw, Phillips Pan Head (#10-32 x 1-1/8")	1	4
7			Spacer, Joystick Tube	1	1
8			Stud Plate, Quad Link	1	1
9			Screw, Hex Head (1/4-20 x 1-1/2")	1	3
10			Spacer (1/4 x 3/8 x 3/16")	1	3
11			Half Clamp, Non-Threaded Holes	1	1
12			Half Clamp, Threaded Holes	1	1
1	A	1115372	Kit, Quad Link Assembly - Left	1	1
2			Ball Plunger with Lock Washer Assembly	2	1
3			Locknut (#10-32)	1	2
4			Screw, Socket Head (#10-32 x 1/2")	1	4
5			Bushing, Bronze (3/16 x 1/4 x 1/4")	1	4
6			Screw, Phillips Pan Head (#10-32 x 1-1/8")	1	4
7			Spacer, Joystick Tube	1	1
8			Stud Plate, Quad Link	1	1
9			Screw, Hex Head (1/4-20 x 1-1/2")	1	3
10			Spacer (1/4 x 3/8 x 3/16")	1	3
11			Half Clamp, Non-Threaded Holes	1	1
12			Half Clamp, Threaded Holes	1	1
1	B,E	1034703-NLA	Kit, Quad Link Assembly - Right	1	1
2			Ball Plunger with Lock Washer Assembly	2	1
3			Locknut (#10-32)	1	2
4			Screw, Socket Head (#10-32 x 1/2")	1	4
5			Bushing, Bronze (3/16 x 1/4 x 1/4")	1	4
8			Stud Plate, Quad Link For 1556 Heavy Duty Joystick	1	1
9			Screw, Hex Head (1/4-20 x 1-1/2")	1	3
10			Spacer (1/4 x 3/8 x 3/16")	1	3
11			Half Clamp, Non-Threaded Holes	1	1
12			Half Clamp, Threaded Holes	1	1
13			Screw, Phillips Flat Head Countersunk (#10-32 x 1-1/8")	1	2
1	B	1114866	Kit, Quad Link Assembly - Left	1	1
2			Ball Plunger with Lock Washer Assembly	2	1
3			Locknut (#10-32)	1	2
4			Screw, Socket Head (#10-32 x 1/2")	1	4
5			Bushing, Bronze (3/16 x 1/4 x 1/4")	1	4

Quad Link Assembly
Before 4/07/06

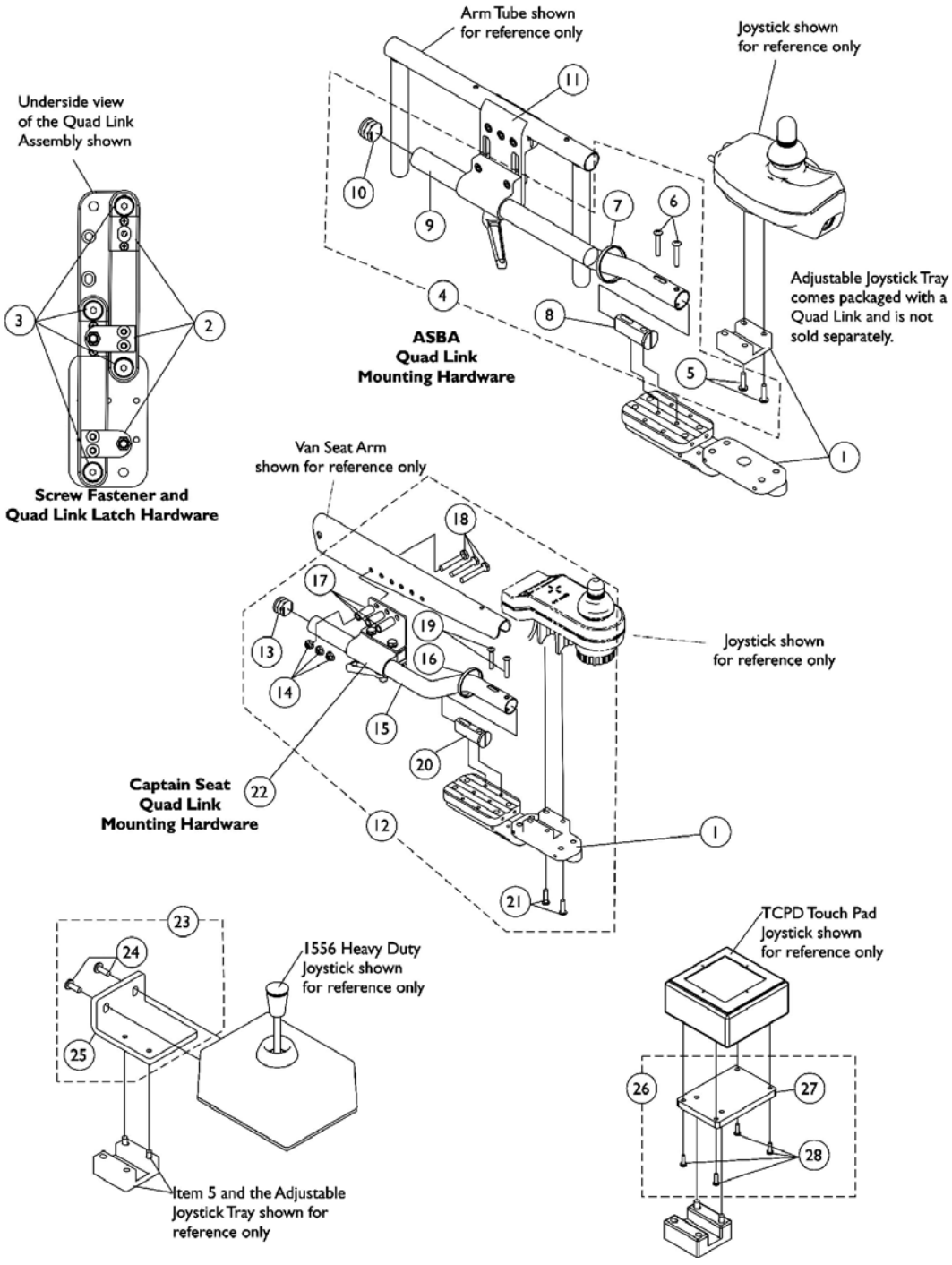
Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
8			Stud Plate, Quad Link For 1556 Heavy Duty Joystick	1	1
9			Screw, Hex Head (1/4-20 x 1-1/2")	1	3
10			Spacer (1/4 x 3/8 x 3/16")	1	3
11			Half Clamp, Non-Threaded Holes	1	1
12			Half Clamp, Threaded Holes	1	1
13			Screw, Phillips Flat Head Countersunk (#10-32 x 1-1/8")	1	2
1	C	1102027	Kit, Quad Link Assembly - Right For TCHJOY/TCPDM4 Touchpad	1	1
2			Ball Plunger with Lock Washer Assembly	2	1
3			Locknut (#10-32)	1	2
4			Screw, Socket Head (#10-32 x 1/2")	1	4
5			Bushing, Bronze (3/16 x 1/4 x 1/4")	1	4
6			Screw, Phillips Pan Head (#10-32 x 1-1/8")	1	2
8			Stud Plate, Quad Link MKIV TCHJOY/TCPDM4	1	1
9			Screw, Hex Head (1/4-20 x 1-1/2")	1	3
10			Spacer (1/4 x 3/8 x 3/16")	1	3
11			Half Clamp, Non-Threaded Holes	1	1
12			Half Clamp, Threaded Holes	1	1
14			Screw, Phillips Flat Head Countersunk (#4-40 x 3/8")	1	4
1	D	1074153	Kit, Quad Link Assembly - Right For Van Seats	1	1
2			Ball Plunger with Lock Washer Assembly	2	1
3			Locknut (#10-32)	1	2
4			Screw, Socket Head (#10-32 x 1/2")	1	4
5			Bushing, Bronze (3/16 x 1/4 x 1/4")	1	4
6			Screw, Phillips Pan Head (#10-32 x 1-1/8")	1	4
7			Spacer, Joystick Tube	1	1
8			Stud Plate, Quad Link	1	1
15			Locknut (1/4-20)	1	3
16			Screw, Hex Head (1/4-20 x 1-1/2")	1	3
17			Spacer (1/4 x 7/16 x 5/8")	1	3
2		1114863	Ball Plunger with Lock Washer Assembly	2	1

NOTE:
A - Includes the Quad Link, items 2-12 and used with MKIV RX, A, A+,PSF/PSR joysticks
B - Includes the Quad Link, items 2-5 and 8-13 and used with a 1556 Heavy Duty joystick
C - Includes the Quad Link, items 2-6, 8-12, 14 and used with TCHJOY/TCPDM4 joysticks. For left side mounted Quad Link, order as a special
D - Includes the Quad Link, items 2-8, 15-17 and used with MKIV RX, A, A+,PSF/PSR joysticks for Van Seats. For left side mounted Quad Link, order as a special
E - Quad Link Assembly is no longer available. Please see Quad Link Assembly (After 4/06/06) category and use new Quad LInk design as a replacement.

Quad Link (QLA - ASBA) and (QL - Captain Seat)

After 4/06/06

When converting an old style Quad Link that attaches to a mounting plate or (a Flex or Touch Pad Joystick Tube) is currently on the chair then order the following for:
a) ASBA Seat; Quad Link Mtg. Hdwr. (item 4), Quad Link (item 1) & Ht. Adj. Joystick Tube Clamp (item 11)
b) Captain Seat; Quad Link Mtg. Hdwr. (item 12), Quad Link (item 1) & Joystick Tube Clamp (item 22)
NOTE: Substitute (item 4 & 12) with 2 ea. of the PPH Screws (item 5) when an offset joystick tube is currently on the chair. Additional Joystick Mtg. Hdwr. must be ordered when a 1556 Heavy Duty or TCPD Touch Pad are used.


Arm Tube shown for reference only
Joystick shown for reference only
Underside view of the Quad Link Assembly shown
Adjustable Joystick Tray comes packaged with a Quad Link and is not sold separately.
ASBA Quad Link Mounting Hardware
Screw Fastener and Quad Link Latch Hardware
Van Seat Arm shown for reference only
Joystick shown for reference only
Captain Seat Quad Link Mounting Hardware
1556 Heavy Duty Joystick shown for reference only
TCPD Touch Pad Joystick shown for reference only
Item 5 and the Adjustable Joystick Tray shown for reference only

Quad Link (QLA - ASBA) and (QL - Captain Seat)
After 4/06/06

When converting an old style Quad Link that attaches to a mounting plate or (a Flex or Touch Pad Joystick Tube) is currently on the chair then order the following for:
a) ASBA Seat; Quad Link Mtg. Hdwr. (item 4), Quad Link (item 1) & Ht. Adj. Joystick Tube Clamp (item 11)
b) Captain Seat; Quad Link Mtg. Hdwr. (item 12), Quad Link (item 1) & Joystick Tube Clamp (item 22)
NOTE: Substitute (item 4 & 12) with 2 ea. of the PPH Screws (item 5) when an offset joystick tube is currently on the chair. Additional Joystick Mtg. Hdwr. must be ordered when a 1556 Heavy Duty or TCPD Touch Pad are used.

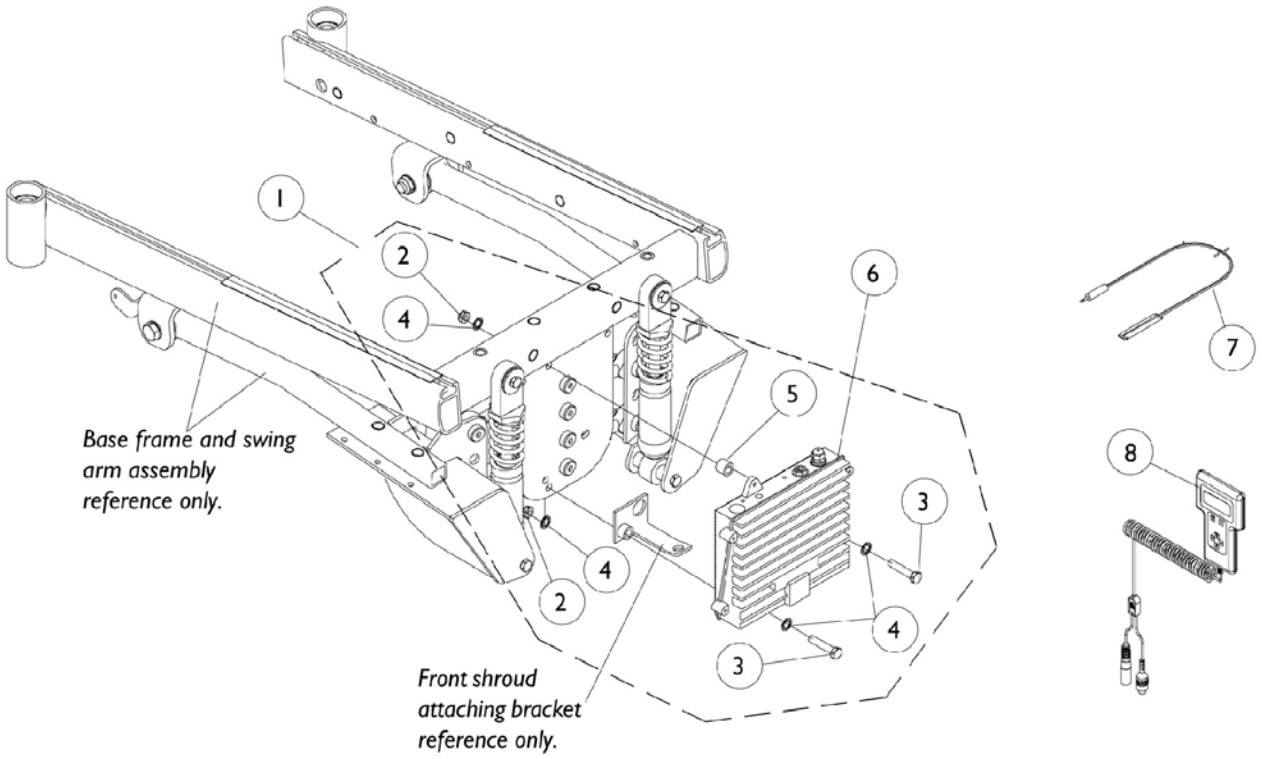
Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1140896	Quad Link with Adjustable Joystick Tray (QLA) and Instruction Sheet - Right	1	1
1		1140897	Quad Link with Adjustable Joystick Tray (QLA) and Instruction Sheet - Left	1	1
1	I	1140898	Quad Link (QL) and Instruction Sheet - Right	1	1
1	I	1140899	Quad Link (QL) and Instruction Sheet - Left	1	1
2	A	1140425	Kit, Quad Link Latch Hardware	1	1
3	B	1140424	Kit, Quad Link Screw Fastener Hardware	1	1
4	C,C1	1139416	Kit, ASBA/ADJASBA Quad Link Mounting Hardware	1	1
5			Screw, Phillips Pan Head w/ Patch (10-32 x 3/4")	1	2
6			Screw, Phillips Pan Head (#10-32 x 1-1/8")	1	2
7			Cable Tie (11-1/2" Long)	1	1
8			Spacer, Joystick Tube	1	1
9			Tube, Joystick 1/2" Offset	1	1
10			Plug Button, Black (7/8")	1	1
5		1105414	Screw, Phillips Pan Head w/ Patch (10-32 x 3/4")	1	2
11		1093071	Clamp, Fixed Height Joystick Tube	1	1
12	C1,G,H,H1	1143041	Kit, Quad Link Mounting Hardware - Van Seat	1	1
13			Plug Button, Black (7/8")	1	1
14			Locknut (1/4-20)	1	3
15			Tube, Joystick 2" Offest	1	1
16			Cable Tie (11-1/2" Long)	1	1
17			Spacer (1/4 x 7/16 x 5/8")	1	3
18			Screw, Hex Head (1/4-20 x 1-1/4")	1	3
19			Screw, Phillips Pan Head (#10-32 x 1-1/8")	1	2
20			Spacer, Joystick Tube	1	1
21			Screw, Phillips Pan Head w/ Patch (10-32 x 3/4")	1	2
22		1139681	Clamp, Van Seat Arm Joystick Tube	1	1
23	D	1139925-NLA	Kit, 1556 Heavy Duty Joystick To Quad Link Mounting Hardware	1	1
24			Screw, Phillips Pan Head (#10-32 x 1/2")	1	2
25			Plate, 1556 HD Joystick Quad Link	1	1
26	E	1139683	Kit, TCPD Touch Pad To Quad Link Mounting Hardware	1	1
27			Plate, TCPD Touch Pad Quad Link	1	1
28			Screw, Phillips Pan Head (#4-40 x 3/8")	1	4
	F	1134844	Instruction Sheet, Quad Link	1	1

Quad Link (QLA - ASBA) and (QL - Captain Seat)
After 4/06/06

When converting an old style Quad Link that attaches to a mounting plate or (a Flex or Touch Pad Joystick Tube) is currently on the chair then order the following for:
a) ASBA Seat; Quad Link Mtg. Hdwr. (item 4), Quad Link (item 1) & Ht. Adj. Joystick Tube Clamp (item 11)
b) Captain Seat; Quad Link Mtg. Hdwr. (item 12), Quad Link (item 1) & Joystick Tube Clamp (item 22)
NOTE: Substitute (item 4 & 12) with 2 ea. of the PPH Screws (item 5) when an offset joystick tube is currently on the chair. Additional Joystick Mtg. Hdwr. must be ordered when a 1556 Heavy Duty or TCPD Touch Pad are used.

NOTE:
A - Latch Kit includes 4 ea. Button Head Cap Screws (10-32 x 3/8"), 2 ea. Latch Spring Assembly, 4 ea. Phillips Flat C'Sunk Head Screws, 2 ea. Spring Catch Plates, 2 ea. Socket Head Set Screws (10-32 x 3/8")
B - Screw Fastener Kit includes 4 ea. Socket Head Shoulder Screws (3/8 x 3/8"), 2 ea. Socket Head Cap Screws (1/4-20 x 3/8"), 2 ea. Socket Head Set Screws (1/4-20 x 1/2"), 4 ea. Socket Head Set Screws (10-32 x 1/8")
C - Includes items 5-10. The Quad Link Mounting Hardware accommodates MKIV RX, A, A+ and PSF/PSR joysticks.
C1 - When ordering the Quad Link for the first time, Additional hardware is required for 1556 Heavy Duty and TCPD Touch Pad joysticks. See pictorial for reference.
D - Includes items 24 and 25
E - Includes items 27 and 28
F - Not Shown
G - Includes items 13-21. The Quad Link Mounting Hardware accommodates MKIV RX, A, A+ and PSF/PSR joysticks.
H - If Quad Link is to be mounted on chairs w/ van seats built Before 4/07/06, then the Armrest Attach. Hdwr. (1074120) for 18" wide or (1101917) for 20" & 22" wide must be ordered as well.
H1 - See page titled "Captain Seat Arms and Hardware" page. The new armrest plates have 3 additional holes drilled so that the quad link can be properly mounted.
I - Use with Captain Seats only

MKIV Controller, Programmer and Attaching Hardware

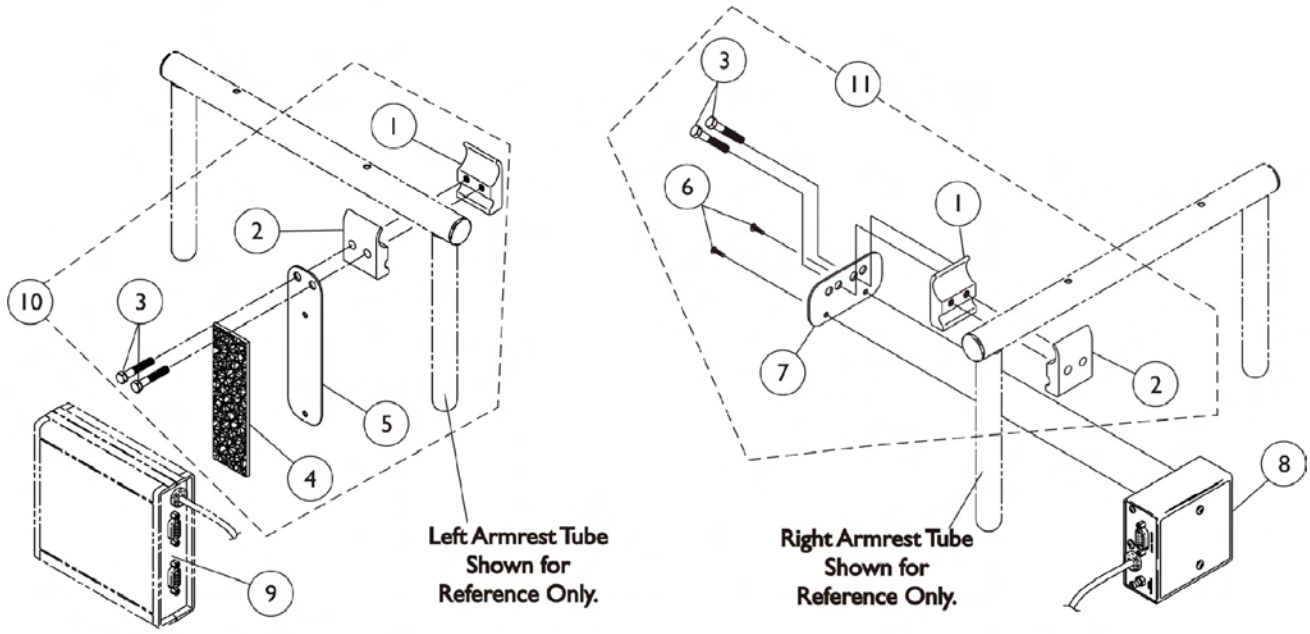


MKIV Controller, Programmer and Attaching Hardware

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	A	1092916	Hardware, Controller Attaching	1	1
2		60290X002	Locknut (5/16-18)	1	2
3		1013560	Screw, Hex Head (5/16-18 x 1-1/2")	1	2
4		1023263	Washer, Internal Tooth (M8)	1	4
5		1093999	Spacer, Controller Attaching (3/8 x 5/8 x 1/2")	1	1
6	C	1105707	Controller, MKIV Quad Pulse	1	1
7		1020818	Switch, Red Flex Ribbon (Tape) Reset	1	1
7	G	1123276	Kit, Switch, Black Egg Reset, with Hook/Loop Adhesive Back Fastener & Attaching Screws (EGSBLK)	1	1
8		1109091	Programmer, Remote	1	1
	B,D	1064404-NLA	Virtual Service Modem Kit	1	1
	B,E	1091631-NLA	Virtual Service Software Kit	1	1
	B,D	1103051-NLA	MKIV One 2 One Software Kit	1	1
	B,F	1046117-NLA	Printer and Interface	1	1
	B	1095204	Cable, Virtual Service Charger/Modem	1	1
	B	1091980-NLA	Disk, 3.5 H.D. Floppy with V.S. Software	1	1
	B	1091637-NLA	Adaptor, Null Modem	1	1
	B	1091636-NLA	Service Manual - V.S. Software Kit	1	1
	B	1026572-NLA	Paper, Printer	1	1
	B	1027280-NLA	Harness, Printer Wiring	1	1

NOTE:
A - Includes Items 2-5.
B - Not Shown
C - It is recommended that Items 2-4 be ordered when a new controller is needed for chairs built before 4/12/01.
D - Part number 1095204 is available for individual sale
E - Part numbers 1091980, 1091637, 1091636 and 1095204 are available for individual sale
F - Part numbers 1026572 and 1027280 are available for individual sale
G - Not Shown. After 5/23/04 the Egg Reset Switch became available as a service part and can be used as a direct replacement for the tape reset switch part # 1020818.

MKIV Sip-N-Puff/ Digital Interface and COM12 and COM34



COM12 1038639 And COM34 1086241 ON CHAIR OFF CHAIR

SNPM4 1038635 ON CHAIR OFF CHAIR

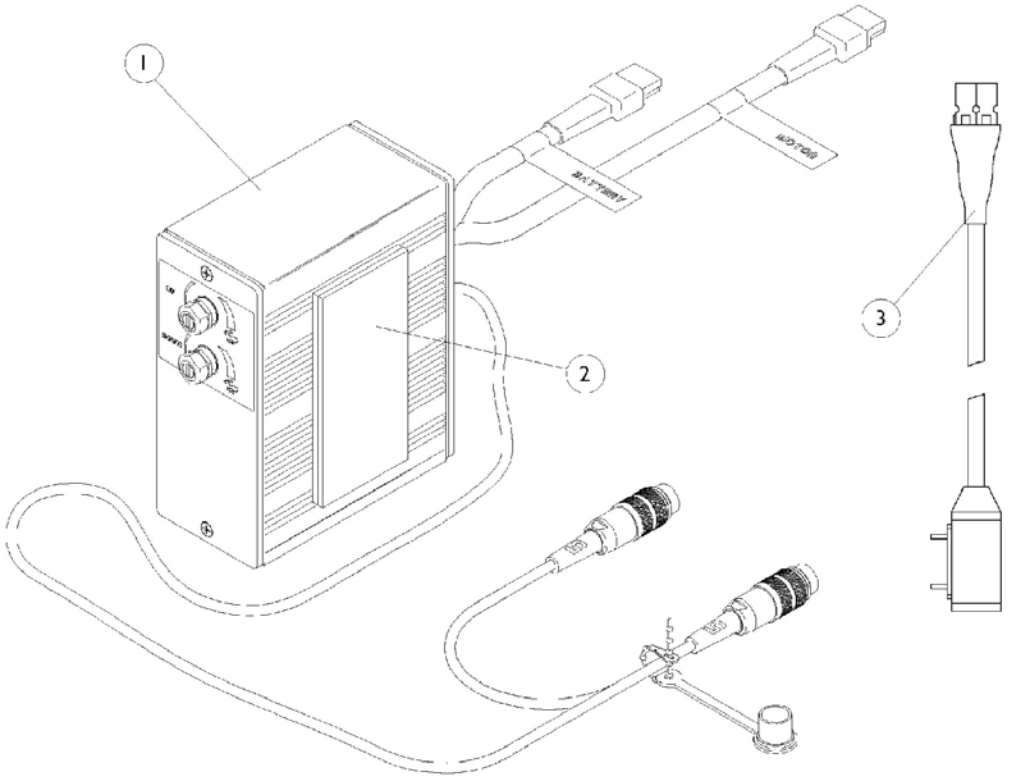
MKIV Sip-N-Puff/ Digital Interface and COM12 and COM34

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
8		1038635	Sip-N-Puff with Digital Interface	1	1
9		1038639	Communication Module, COM12/AUX12	1	1
9		1086241	Communication Module, COM34/AUX34	1	1
10	A	1049592	Kit, COM12/AUX12 and COM34/AUX34 Mounting Hardware	1	1
1			Half Clamp, Threaded Holes	1	1
2			Half Clamp, Non-Threaded Holes	1	1
3			Screw, Hex Head (1/4-20 x 1-1/8")	1	2
4			Fastener, Dual Lock Hook and Loop Adhesive (2" W x 12" L)	1	1
5			Mounting Plate, COM12/AUX12 and COM34/AUX34	1	1
11	B,C	1049593	Kit, SNP/DI, MK5 SAC, 4WSB, S4WSB, GTAM, AUX12M6, AUX34M6 Mtg. Hdwr.	1	1
1			Half Clamp, Threaded Holes	1	1
2			Half Clamp, Non-Threaded Holes	1	1
3			Screw, Hex Head (1/4-20 x 1-1/8")	1	2
6			Screw, Phillips Pan Head (#4-40 x 3/8")	1	2
7			Plate, Mounting	1	1

NOTE: A - Mounting hardware includes items 1-5. Item 4 that is packaged with the kit will only be a 4" long "loop" fastener
B - Includes items 1-3 and 6-7
C - As of 5/22/07 the Mounting Plate holes and the orientation of the Hardware was revised to attach the electronics closer to the chair. The Mounting Hardware Kit is backward compatible.

MKIV Recliner Control and Recliner Cable

NOTE: Recliner control is not adaptable with 2nd Generation Powered Seating Systems. Actuator damage may occur.



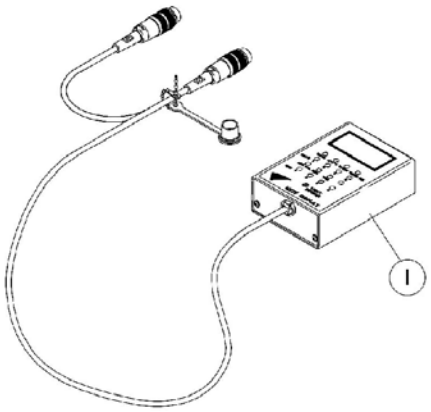
MKIV Recliner Control and Recliner Cable

NOTE: Recliner control is not adaptable with 2nd Generation Powered Seating Systems. Actuator damage may occur.

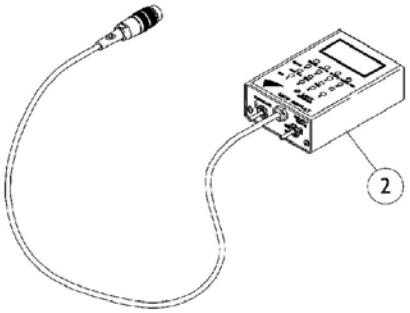
Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1054376	Control, Recliner	1	1
2		1095501	Fastener, Dual Lock Hook and Loop Adhesive (2" W x 12" L)	1	1
3		1098905	Cable Assembly, 24 Volt, Anderson/P.T.O.	1	1
	A	1005151	Cable, Recliner	1	1

NOTE: A - Not Shown

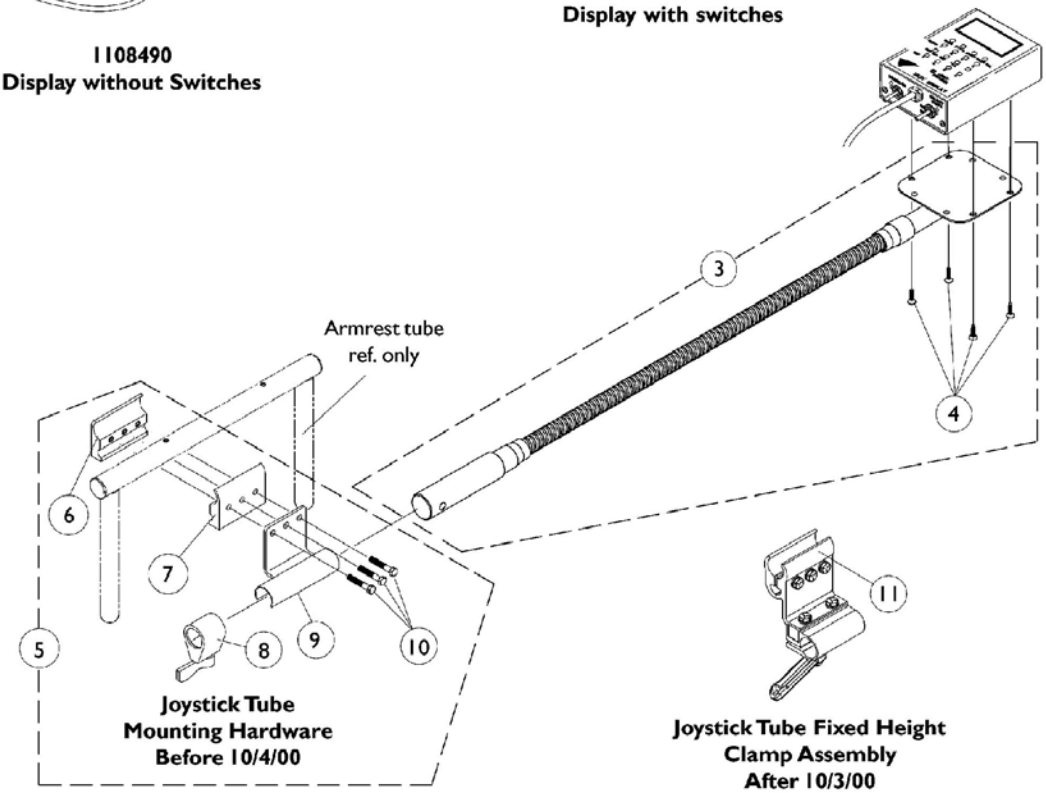
MKIV Displays



1108490
Display without Switches

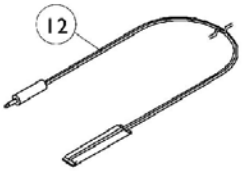


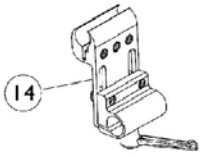
1108489
Display with switches



Joystick Tube
Mounting Hardware
Before 10/4/00

Joystick Tube Fixed Height
Clamp Assembly
After 10/3/00





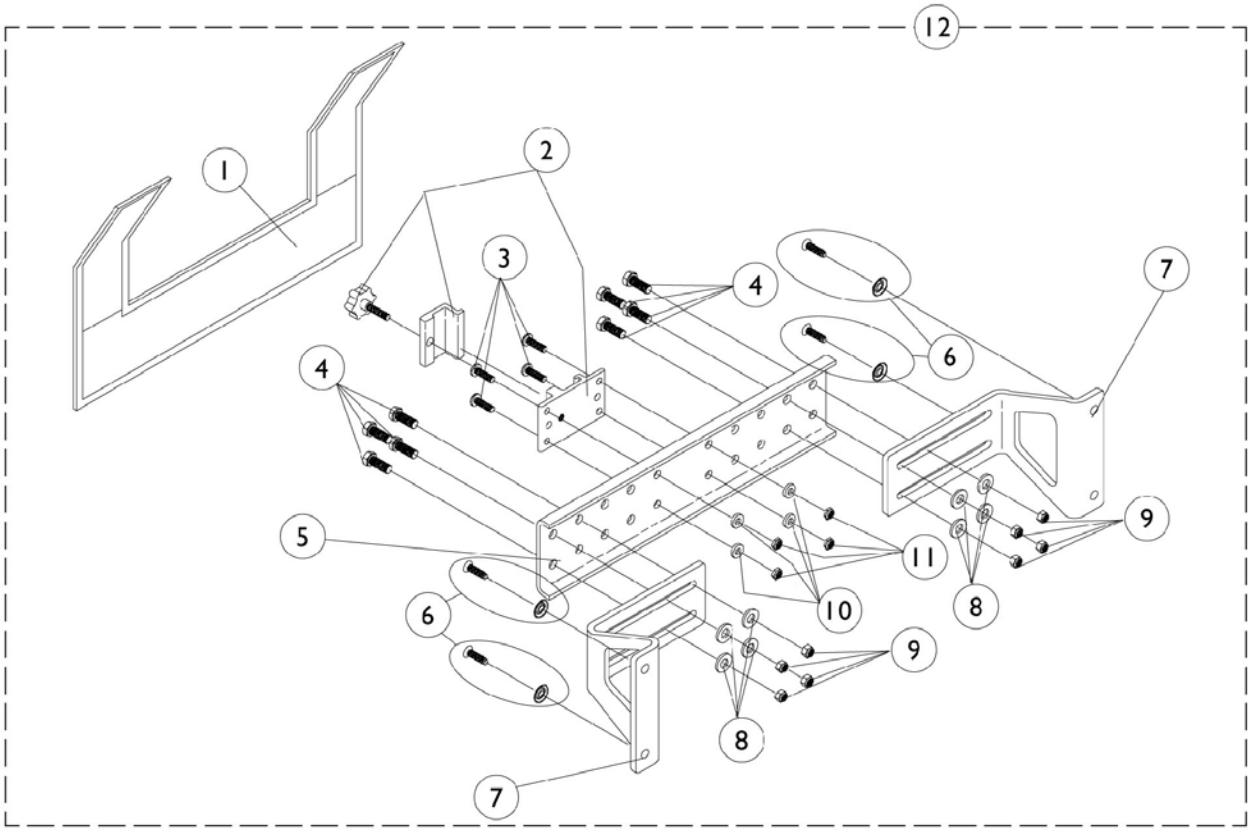
Joystick Tube Adjustable Height
Clamp Assembly

MKIV Displays

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1108490	Display without Switches	1	1
2		1108489	Display with Switches	1	1
3	A	1049594	Flex Tube with Screws	1	1
4		7930339	Screw, Phillips Pan Head (#4-40 x 3/8")	1	4
5	B	1049591	Hardware, Joystick Tube Mounting	1	1
6		1027267	Half Clamp, Threaded Holes	1	1
7		1027266	Half Clamp, Non-Threaded Holes	1	1
8		1027274	Lock, Adjustment (Black)	1	1
9		1049582	Bracket, Joystick Mounting, Black	1	1
10		16690X004	Screw, Hex Head (1/4-20 x 1-1/8")	1	1
11	C	1093071	Clamp, Fixed Height Joystick Tube	1	1
12	D	1020818	Switch, Red Flex Ribbon (Tape) Reset	1	1
13	E	1123276	Kit, Switch, Black Egg Reset, with Hook/Loop Adhesive Back Fastener & Attaching Screws (EGSBLK)	1	1
14	F	1139422	Clamp, Height Adjustable Joystick Tube (ARM250)	1	1

NOTE:
A - Includes the Flex Tube and item 4
B - Before 10/4/00 and includes items 6-10
C - After 10/3/00 and can be used as a direct replacement for the Joystick Tube Mounting Hardware part number 1049591 in the field
D - Before 5/24/04
E - After 5/23/04 the Egg Reset Switch replaced the Red Flex Ribbon (Tape) Reset Switch
F - Can be used to replace a Fixed Height Joystick Tube Clamp in the field

MKIV R.I.M. Head Control Attaching Hardware
(1500M4)

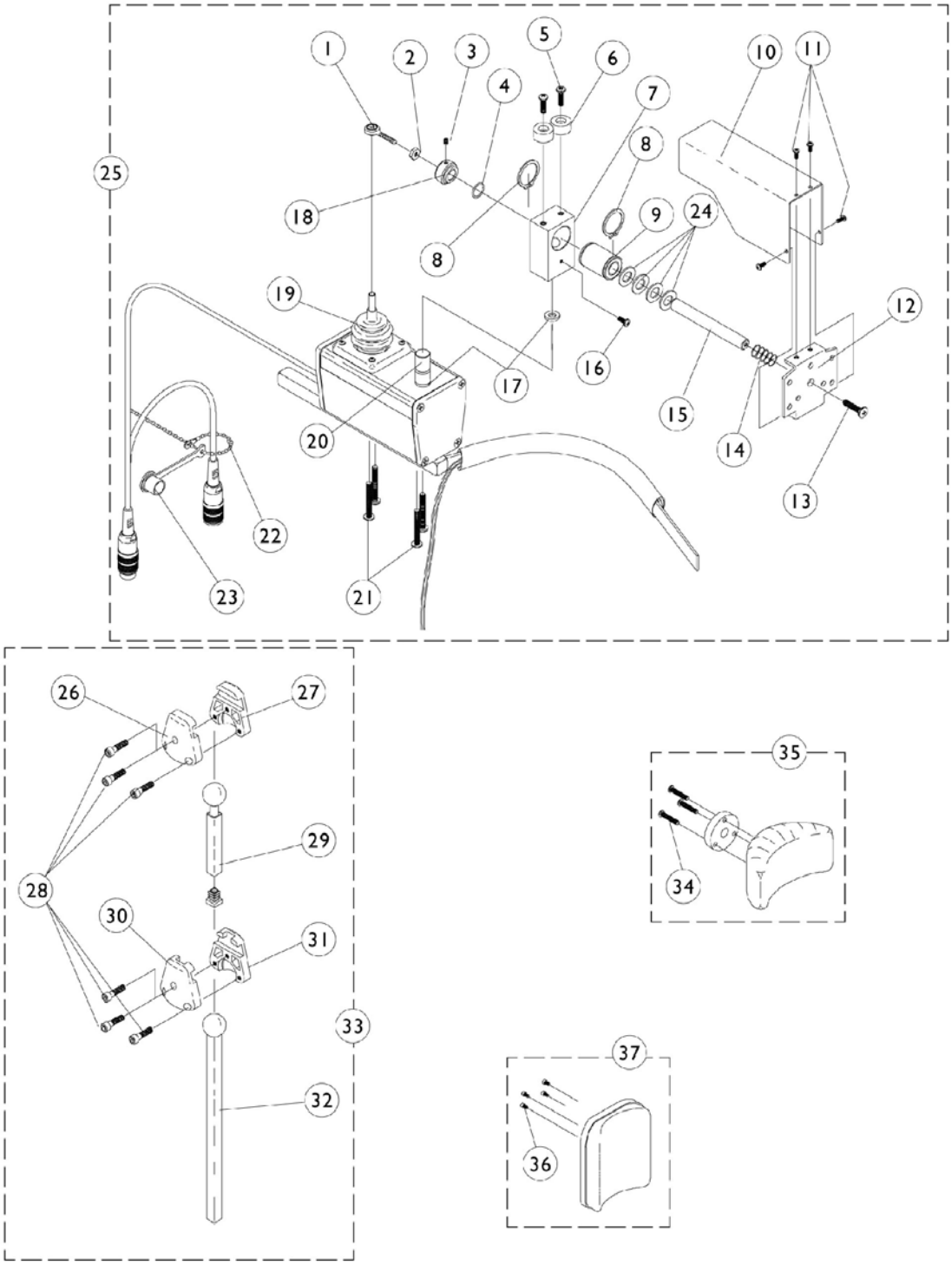


MKIV R.I.M. Head Control Attaching Hardware
(1500M4)

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	A	1055149	Nylon Cover	1	1
1	B	1055151	Nylon Cover	1	1
2		1055148	Clamp with Knob, Two-Piece	1	1
3		1003645	Screw, Socket Button Head (#10-32 x 3/4")	1	4
4		7930326	Screw, Hex Head (1/4-20 x 3/4")	1	8
5	A	1054931	Bracket, Attaching, Black (12 - 18" W)	1	1
5	B	1054933	Bracket, Attaching, Black (19 - 24" W)	1	1
6		1031095	Screws with Washers (#10-16 x 7/8")	4	1
6		1076284	Screw w/ washer (#10 x 7/8")	1	4
7		1054929	Bracket, Wing	1	2
8		1026907	Washer (1/4 x 1/2 x 1/16")	1	8
9		7930333	Locknut (1/4-20)	1	8
10		1026034	Washer, Nylon (3/16 x 7/16 x 1/8")	1	4
11		7930332	Locknut, High Profile (#10-32)	1	4
12	A	1056347	Rim Control Mounting Hardware (RIMHW) - 12-18" Wide	1	1
12	B	1056348	Rim Control Mounting Hardware (RIMHW) - 19-24" Wide	1	1

NOTE: A - 12-18" Wide
B - 19-24" Wide

MKIV R.I.M. Head Control Assembly
(1500M4)

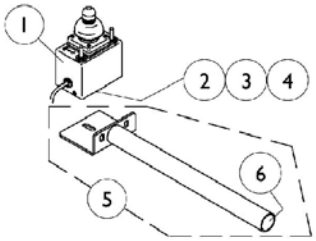


MKIV R.I.M. Head Control Assembly
(1500M4)

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1001625	Tie Rod End	1	1
2		48095X000	Locknut (#10-32)	1	1
3		1025275	Set Screw with Nylock (#8-32 x 1/4")	1	1
4		2001139	O-Ring (1/2" I.D.)	1	1
5		1028529	Screw, Phillips Pan Head (#8-32 x 3/8")	1	2
6		1055002	Washer, Nylon	1	2
7		1056206	Block, Pivot	1	1
8		1054939	Snap Ring	1	2
9		1018113	Linear Bearing	1	1
10		1055014	Shield, Push Rod	1	1
11		7930318	Screw, Phillips Pan Head (#4-40 x 1/2")	1	4
12		1055031	Bracket, Headrest Mounting, Black	1	1
13		40127X002	Screw, Phillips Oval Head (#10-32 x 3/4")	1	1
14		1055145	Spring, Compression	1	1
15		1055016	Push Rod	1	1
16		1026728	Screw, Phillips Pan Head (#6-32 x 1/4")	1	1
17		1010398	Washer, Nylon (1/4 x 1/2 x 1/16")	1	2
18		1025236	Collar, Shoulder	1	1
19		50000X364	Joystick, Boot	1	1
20		1055017	Rod Pivot	1	1
21		11008X014	Screw, Phillips Round Head (#10-32 x 1")	1	1
22		1038256	Wire Tie	1	1
23		1037373	Cover, Splash	1	1
24		1003766	Washer, Plain (1/2 x 1 x 1/8")	1	4
25		1056210	Joystick, Remote Head	1	1
26		1055023	Clamp, Horizontal Pivot	1	1
27		1055024	Clamp, Threaded, Horizontal Pivot	1	1
28		1055144	Screw, Socket Head (M6 x 25)	1	6
29		1055028	Slide Tube, Square, -Short	1	1
30		1055025	Clamp, Vertical Pivot	1	1
31		1055026	Clamp, Threaded, Vertical Pivot	1	1
32		1055027	Slide Tube, Square, -Long	1	1
33		1056213	Hardware, Adjustment	1	1
34		1005383	Screw, Socket Button Head (#10-32 x 1")	1	3
35		1056211	Headrest with Hardware, -Small (Otto Bock)	1	1
36		1005310	Screw, Socket Head (#10-32 x 3/8")	1	4
37		1056212	Headrest with Hardware, - Large (La Bac)	1	1

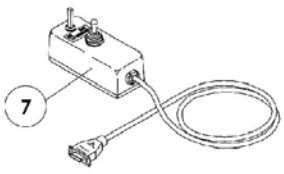
MKIV Joystick Options

REMOTE JOYSTICK



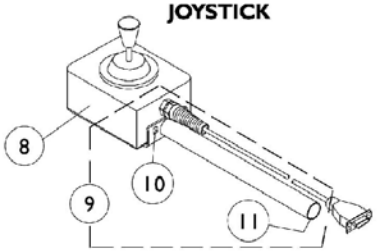
ON CHAIR: 1555M4
OFF CHAIR: ✪1038634
Used with display w/o switches
1108490

ATTENDANT CONTROL JOYSTICK



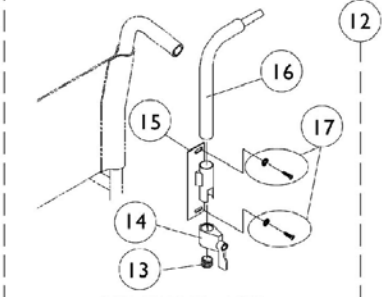
ON CHAIR: 1552M4
OFF CHAIR:✪1025590

HEAVY DUTY JOYSTICK



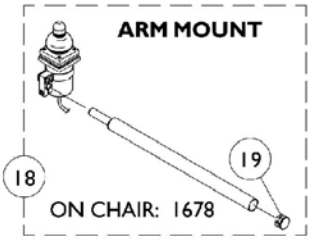
ON CHAIR: 1556M4
OFF CHAIR: ✪1041544
Used with display w/ switches
1108489

REAR CANE MOUNT



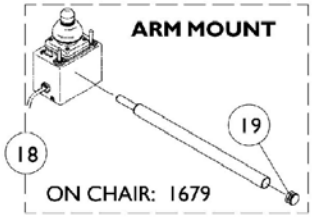
ON CHAIR: 1673

ARM MOUNT



ON CHAIR: 1678

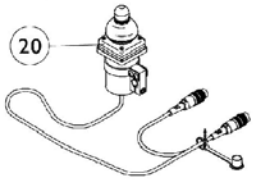
ARM MOUNT



ON CHAIR: 1679

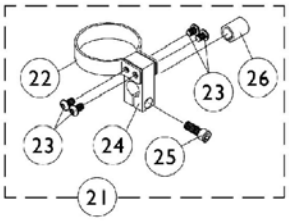
NOTE: Arm mounting tube shown above and additional arm mounting hardware are shipped when the On-Chair model number 1678 or 1679 is ordered.

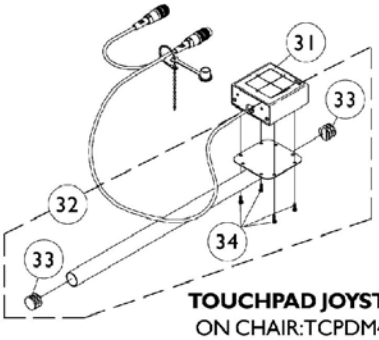
DUAL/COMPACT JOYSTICK W/ MTG. HARDWARE



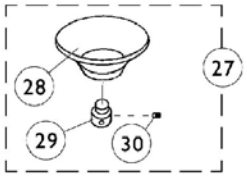
ON CHAIR: 1812M4/1558M4
OFF CHAIR:✪1038638

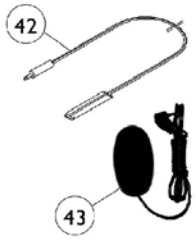
DUAL/COMPACT JOYSTICK MOUNTING HARDWARE

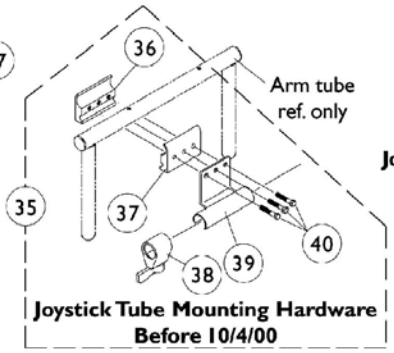




TOUCHPAD JOYSTICK
ON CHAIR:TCPDM4
OFF CHAIR:✪1091353
Used with display w/ switches
1108489

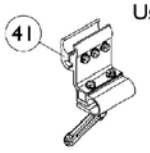




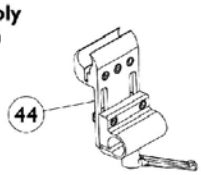


Joystick Tube Mounting Hardware Before 10/4/00

✪ Reset Switch may be required.



Joystick Tube Fixed Height Clamp Assembly After 10/3/00



Joystick Tube Adjustable Height Clamp Assembly

MKIV Joystick Options

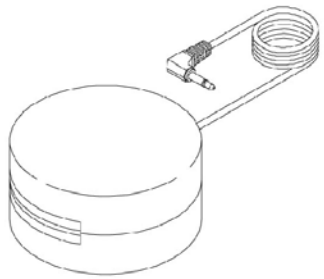
Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1038634	Joystick, Remote	1	1
2		1010848	Clamp, Universal Swivel	1	1
3		12595X000	Lock Handle	1	1
4		40204X000	Nut, Hex (1/4-20)	1	1
5		1044928	Joystick Tube with Plug Button	1	1
6		1027095	Plug Button, Black (7/8")	1	1
7		1025590	Joystick, Attendant Control (1552M)	1	1
8		1041544-NLA	Joystick, Heavy Duty	1	1
9	A	1052719	Kit, Straight Joystick Tube with Hardware	1	1
10		1016401	Screw, Phillips Round Head (#10-32 x 3/8")	1	3
11		1027095	Plug Button, Black (7/8")	1	1
12	B	1044917	Hardware, Rear Cane Mount (1673/RCM)	1	1
13		1027095	Plug Button, Black (7/8")	1	1
14		1027274	Lock, Adjustment (Black)	1	1
15		1025245	Bracket, Upright -Right	1	1
16		1044918	Joystick Tube	1	1
17		1076284	Screw w/ washer (#10 x 7/8")	2	1
18	C	1052309	Arm Mount Tube with Plug Button	1	1
19		1027095	Plug Button, Black (7/8")	1	1
20		1038638	Joystick, MKIV Dual/Compact	1	1
21	D	1108012	Hardware, Dual/Compact Joystick Clamp Mounting	1	1
22		1025048	Clamp	1	1
23		1021460	Screw, Socket Button Head (#10-32 x 5/16")	1	4
24		1025045	Clamp, Mounting	1	1
25		1027089	Screw, Socket Head Cap (#10-24 x 1/2")	1	1
26		1026273	Spacer, Split (3/8" I.D.)	1	1
27	E	1020392	Chin Cup Assembly (1826)	1	1
28		1017545	Chin Cup	1	1
29		1017612	Screw, Adaptor	1	1
30		90032X000	Screw, Socket Set (#8-32 x 1/4")	1	2
31		1091353	Touchpad, Joystick Assembly	1	1
32	F	1092604	Kit, Straight Joystick Tube with Hardware	1	1
33		1027095	Plug Button, Black (7/8")	1	2
34		1052041	Screw, Phillips Pan Head (#4-40 x 3/8")	1	4
35	G	1049591	Hardware, Joystick Tube Mounting	1	1
36		1027267	Half Clamp, Threaded Holes	1	1
37		1027266	Half Clamp, Non-Threaded Holes	1	1
38		1027274	Lock, Adjustment (Black)	1	1
39		1049582	Bracket, Joystick Mounting, Black	1	1
40		16690X004	Screw, Hex Head (1/4-20 x 1-1/8")	1	3
41	H	1093071	Clamp, Fixed Height Joystick Tube	1	1
42	I	1020818	Switch, Red Flex Ribbon (Tape) Reset	1	1
43	J	1123276	Kit, Switch, Black Egg Reset, with Hook/Loop Adhesive Back Fastener & Attaching Screws (EGSBLK)	1	1

MKIV Joystick Options

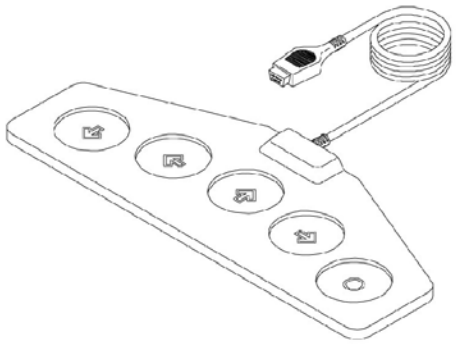
Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
44	M	1139422	Clamp, Height Adjustable Joystick Tube (ARM250)	1	1
	K	1108490	Display without Switches	1	1
	L	1108489	Display with Switches	1	1

NOTE:
A - Includes the joystick tube and items 10 and 11
B - Includes items 13-17
C - For On-Chair model numbers 1678 and 1679. Includes the joystick tube and item 19
D - Includes items 22-26
E - Includes items 28-30
F - Includes the joystick tube, items 33 and 34
G - Before 10/4/00 and includes items 36-40
H - After 10/3/00. Individual components are non-saleable. Can be used as a direct replacement in the field for the Joystick Tube Mounting Hardware part number 1049591.
I - Before 5/24/04
J - After 5/23/04. The Egg Reset Switch replaced the Red Flex Ribbon (Tape) Reset Switch
K - Not Shown and used with the Remote Joystick
L - Not Shown and used with the Heavy Duty and Touch Pad Joystick
M - Can be used to replace a Fixed Height Joystick Tube Clamp in the field.

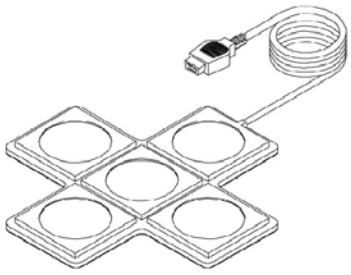
Tash and Therafin Accessories



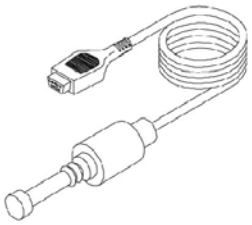
P5820 - Red Soft Switch
P5821 - Green Soft Switch



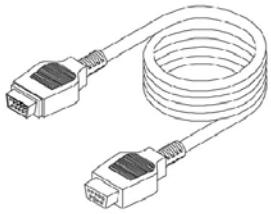
✪ P5018 - Wafer Board



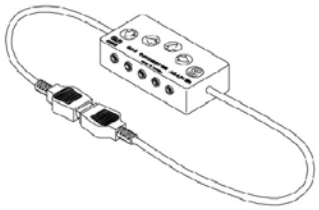
✪ P5026 - Star Control



✪ P5020 - Mini Joystick with Push



P4337 - Multi-Ability Cable



P4353 - CA5 Multi-Connector Box

✪ Must be used with display w/ switches (1077020)

P5970 - "U" Clamp

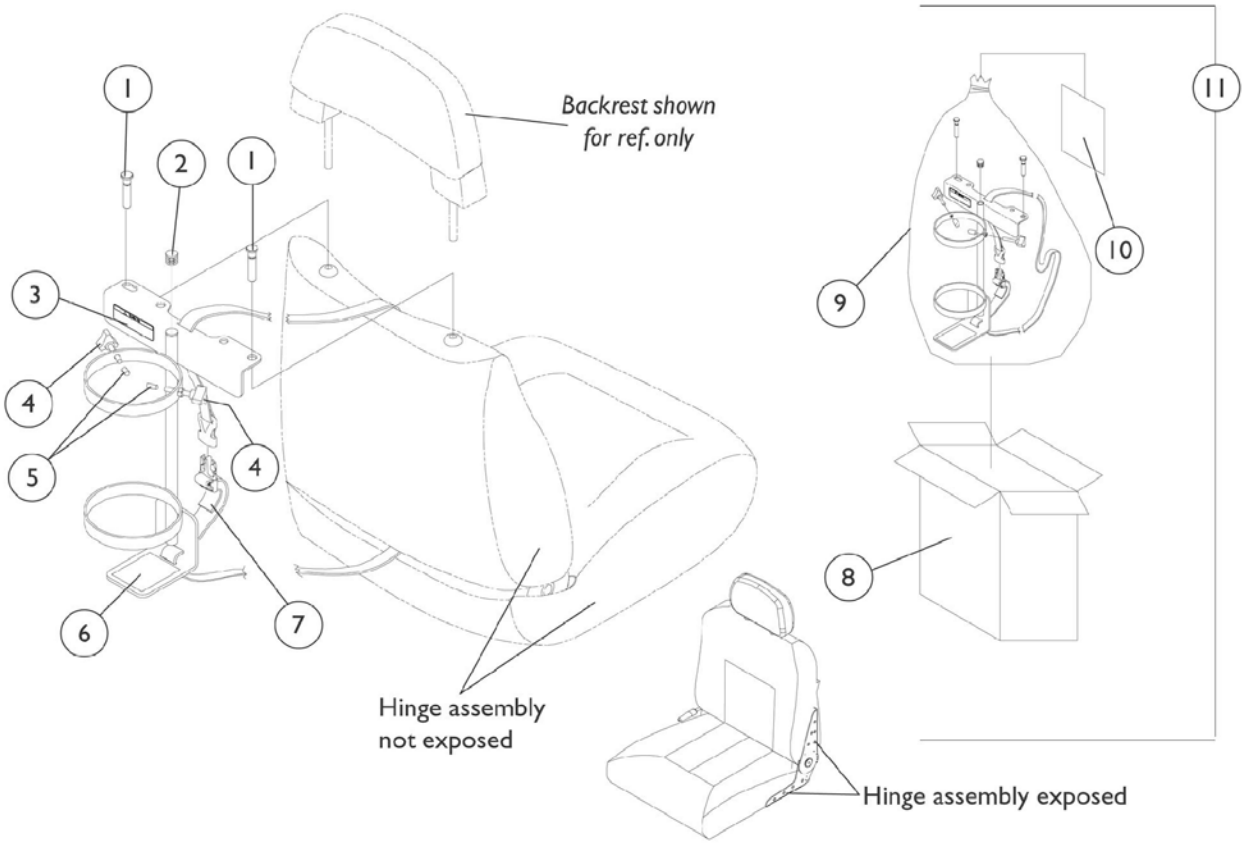
Tash and Therafin Accessories

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
		1142362	Bib Assembly (PKG32669)	1	1
		P21456	Adaptor Clamp - Tash	1	1
		P21457	Adaptor Clamp - Invacare	1	1
		P21460	Midline Swingway System	1	1
		1140824	Sip-N-Puff, 16" Fixed (PKG32666) Includes: 3 Air Tube Straws, 2 Saliva Traps, Tubing, Pivot Shaft/Flexible Metal Gooseneck Assembly, and Extruded Figure "8" Clamp to fit 7/8" Wheelchair Frame Tubing. Extruded Back Cane Adapter Clamp also included.	1	1
	A	P5820	Switch, Red Soft	1	1
	A	P5821	Switch, Green Soft	1	1
	A	P5018	Wafer Board (5018)	1	1
	A	P5026	Star Control	1	1
	A	P5020	Mini Joystick with Push (5020)	1	1
	A	P4337	Multi-Ability Cable	1	1
	A	P4353	CA5 Multi-Connector Box	1	1
	A	P5970	"U" Clamp	1	1

NOTE: A - See pictorial for reference

NOTE: For information on Tash and Therafin products, please contact one of our Rehab Specialists.

Oxygen Holder Assembly Kit Before 4/15/03
Captain Seat, Low Back Models Only



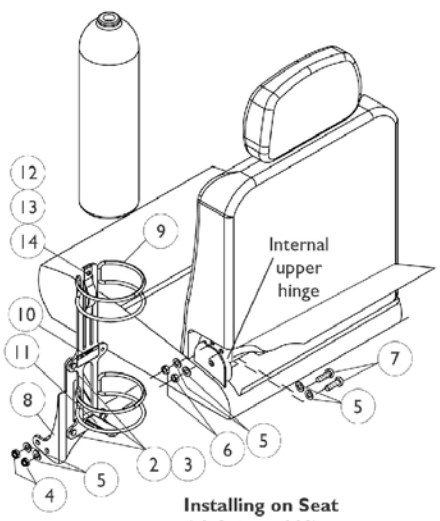
Oxygen Holder Assembly Kit Before 4/15/03

Captain Seat, Low Back Models Only

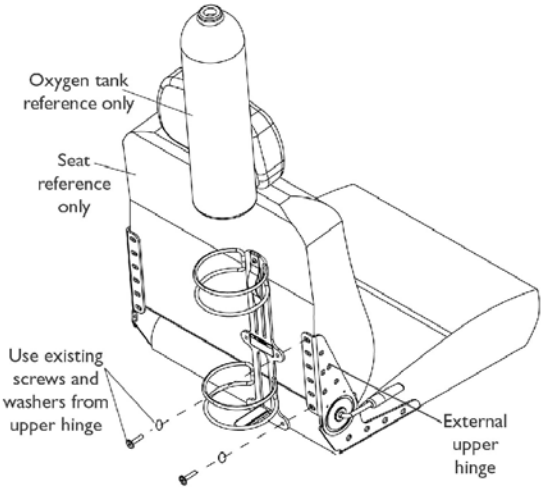
Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	A	1080865	Pin, Oxygen Holder	1	2
2		1035614	Plug Button, Black (5/8")	1	1
3		1080866	Decal, Oxygen Warning - English	1	1
4		1027684	Knob, Clamping (Black)	1	2
5		1086780	Package, Protective Caps	10	2
6		1073159	Pad, Non-Skid	1	1
7		1080872	Strap with Buckle	1	1
8		1083052	Carton, Shipper	1	1
9		2000454	Bag, Poly (33" W x 39" L)	1	1
10		1080869	Instruction Sheet, Oxygen Holder	1	1
11	B,C	1080870-NLA	Oxygen Holder Assembly with Instruction Sheet	1	1

NOTE: A - Oxygen holder pins are to be used when backrest is absent.
B - Includes items 1-10
C - Due to product improvement, see oxygen holder assemblies dated after 4/14/03 that will accommodate both (exposed and non-exposed) captain seat hinge assemblies. Special orders are no longer needed for exposed hinge assembly models.

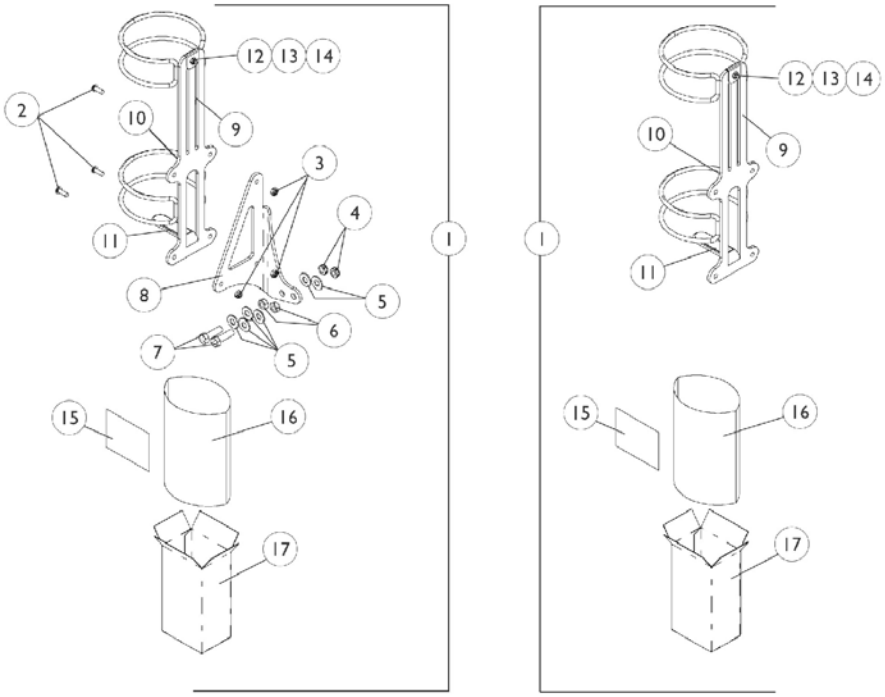
Oxygen Holder Assembly Kit After 4/14/03
All Captain Seat Models



Installing on Seat
with Internal Hinge



Installing on Seat
with External Hinge



Oxygen Holder Assembly Kit After 4/14/03
All Captain Seat Models

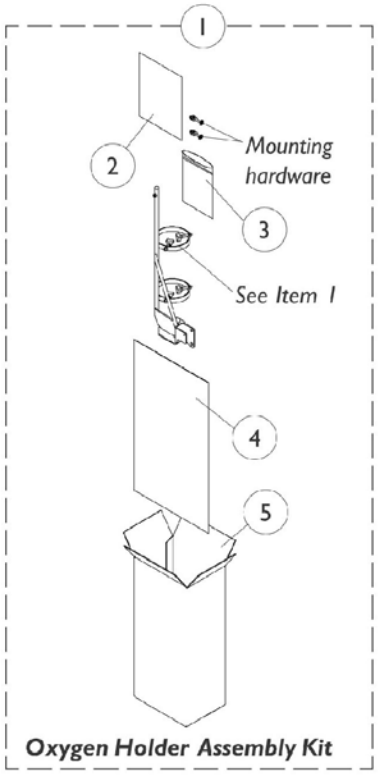
Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	A	1116952	Oxygen Holder Assembly Kit	1	1
1	B	1116956	Assembly, Oxygen Holder (D or E Tanks)	1	1
2		1055304	Screw, Socket Button Head (1/4-28 x 5/8")	1	3
3		1025765	Locknut (1/4-28)	1	3
4		1028486	Locknut, Low Profile (3/8-16)	1	2
5		1118889	Washer, Steel (3/8 x 7/8 x 1/16")	1	6
6		1116954	Nut, Hex (3/8-16)	1	2
7		1118888	Screw, Hex Head (3/8-16 x 1-1/4")	1	2
8		1116953	Bracket, Oxygen Holder	1	1
9	C	1116948	Oxygen Holder	1	1
10		1080866	Decal, Oxygen Warning - English	1	1
11		1116950	Pad, Non-Skid	1	1
12		1116945	Spring, Oxygen Holder	1	1
13		1072319	Screw, Socket Button Head (#10-32 x 1/2")	1	1
14		1025735	Locknut (#10-32)	1	1
15		1116957	Instruction Sheet, Oxygen Holder	1	1
16		1021866	Bag, Poly (15" Wide x 26" Long)	1	1
17		1063960	Carton	1	1

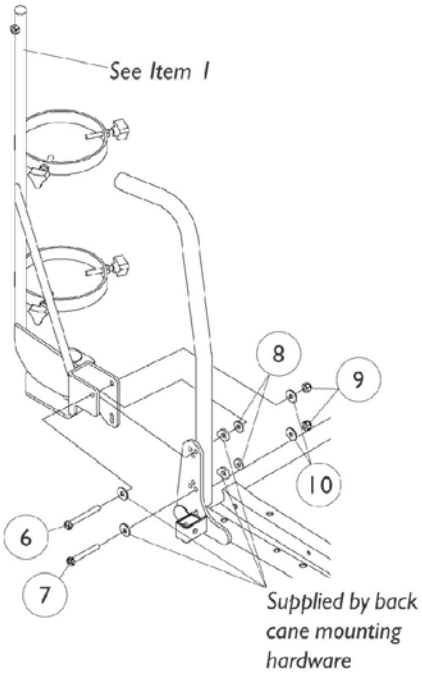
NOTE: A - For seats with an INTERNAL (Non-Visible) hinge assembly and includes items 2-17
B - For seats with an EXTERNAL (Visible) hinge assembly and includes items 9-17
C - Includes items 10-14

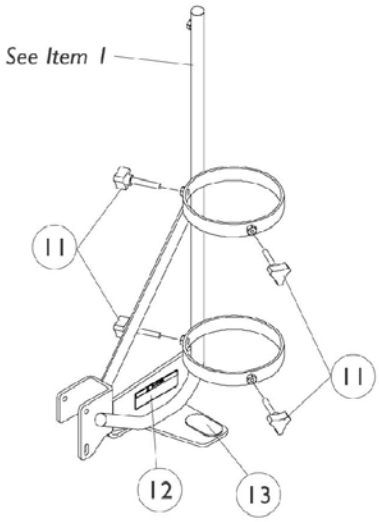
Oxygen Holder Assembly Kit

A.S.B.A. Seats

NOTE: Oxygen holder is not available on recliner options and seat depths of 15" or less because of the CJ bracket interference.







Oxygen Holder Assembly Kit

A.S.B.A. Seats

NOTE: Oxygen holder is not available on recliner options and seat depths of 15" or less because of the CJ bracket interference.

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1	A	1098857	Oxygen Holder, Assembly Kit	1	1
2		1098333	Instruction Sheet, Oxygen Holder	1	1
3		1021148	Bag, Poly Zip-Lip (6" Wide x 8-3/4" Long)	1	1
4		1021866	Bag, Poly (15" Wide x 26" Long)	1	1
5		1097276	Carton, Shipper	1	1
6		1096839	Screw, Hex Head (1/4-20 x 2-1/4")	1	1
7		1096838	Screw, Hex Head (1/4-20 x 2")	1	1
8		1018739	Washer (1/4 x 5/8 x 3/32")	1	2
9		7930333	Locknut (1/4-20)	1	2
10		1026900	Washer (1/4 x 23/32 x 1/16")	1	2
11		1027684	Knob, Clamping (Black)	1	4
12		1080866	Decal, Oxygen Warning - English	1	1
13		1072002	Pad, Non Skid	1	1

NOTE: A - Includes items 2-13

Power Wheelchair Tool Kit

Multimeter with Leads

Grounding Wire

1" Test Leads

Protractor/Angle Locator

Invacare Pen Light

Invacare Tape Measure

Invacare Phillips/Flat Head Screwdriver

MKIV Programmer

Virtual Service Charger Cable

Power Wheelchair Tool Kit

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
1		1125222	Kit, Power Wheelchair Tool Includes: 1 ea. Multimeter with Leads 1 ea. Locator, Protractor/Angle Magnetic Base 1 ea. Instructions, MKIV Programmer 1 ea. Wire, Grounding with Hand Strap and Clip 1 ea. Leads, 1" Test 1 ea. Light, Pen with Invacare Logo 1 ea. Tape Measure, Compact with Invacare Logo 1 ea. Screwdriver, Pen-Size Phillips/Flat Head 1 ea. Cable, Virtual Service Charger/Modem	1	1

Miscellaneous Accessories

Item Number	Note	Part Number	Description	Quantity Per	
				Package	Assembly
	A,F	1036527	Positioning Strap, Seat/Chest w/ Auto Style Buckle (Eyelet to Eyelet Length 33")	1	1
	B	1004310	Positioning Strap, Seat/Chest w/ Auto Style Push Button Buckle (Eyelet to Eyelet Length 48")	1	1
	C	1034625	Positioning Strap, Seat/Chest w/ Auto Style Push Button Buckle (Eyelet to Eyelet Length 61")	1	1
	D	1034622	Positioning Strap, Seat/Chest w/ Auto Style Push Button Buckle (Eyelet to Eyelet Length 69")	1	1
	B	1034625.	0	1	1
	C	1034752	Positioning Strap, Seat/Chest w/ Airline Style Buckle (Eyelet to Eyelet Length 61")	1	1
	D	1034753	Positioning Strap, Seat/Chest w/Airline Style Buckle (Eyelet to Eyelet Length 70")	1	1
	E	1034745	Positioning Strap, Seat/Chest w/ Hook and Loop Style Buckle (Eyelet to Eyelet Length 61")	1	1
		40176X010	Tire Pump	1	1

NOTE: A - 12"-16" Wide
B - 16"-19" Wide
C - 20"-22" Wide and (18" Wide Captain Seats)
D - 23"-24" Wide and (22" Wide Captain Seats)
E - 16"-24" Wide
F - Junior sizes come in rainbow color.

NOTE: Wheel locks are not available for the Arrow FWD chair.

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Yes, you can. ™

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